Samsung

GALAXY Note® II

4G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone and keep it for future reference.

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

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Section 1: Getting Started

This section explains how to start using your phone by configuring your hardware, activating your service, setting up accounts, and setting up your voice mail.

Understanding This User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 255.

Also included is important safety information, beginning on page 218, that you should know before using your device.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting with the phone unlocked, at a Home screen. To get to a Home screen, you may need to unlock the device. For more information, refer to *"Securing Your Device"* on page 18.

Note: Instructions in this manual are based on default settings and may vary from your device depending on the software version on your device and any changes to the device's settings.

Note: All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your device and any changes to the device's settings.

Special Text

In this manual, some text is set apart from the rest. This special text is intended to point out important information, share quick methods for activating features, define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.

- **Warning**: Brings important information to your attention that can help to prevent loss of data or functionality or damage to your device.

Text Conventions

This manual provides condensed information about how to use your device. To make this possible, the following text conventions are used to represent often-used steps:

➔ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures. For example:

From a Home screen, touch **Apps** ➔ **Settings** **My device** ➔ **Display** ➔ **Screen timeout**.

Removing the Back Cover

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD card slot is also located in this same internal area.

Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

To remove the back cover:

1. Place your fingernail into the slot in the side of the cover (1). If you have fragile nails, use a pointed object.

2. Lift the cover up (2) and to the right of the phone.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

- Carefully slide the SIM card into the SIM card socket, as shown, until the card locks into place.

Caution! Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.

Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot, if the SIM is not detected.

Installing a MicroSD Card

Your device supports removable microSD or microSDHC memory cards with maximum capacities of 64 GB (depending on the memory card manufacturer and type). Memory cards are used to store music, photos, videos, and other files.

Note: You can only store music files that you own (from a CD or purchased with the device) on a memory card.

To insert a MicroSD card, which is optional:

1. Push the microSD card into the slot until it clicks (as shown).
2. Make sure the microSD's gold contact pins face downward and the card is securely inserted.

For more information on Memory Cards, see *"Memory Card"* on page 50.

Removing the Memory Card

1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Battery

To install the battery:

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).

Replacing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).

2. Press along the edge of the back cover (3) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. The Travel Charger, which is used to charge the battery, is included with your phone. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so requires additional charging time.

Using the Travel Charger

To use the Travel Charger:

1. Plug the flat end of the Travel Charger (1) into the Power/Accessory Interface connector and the other end (2) into a standard AC wall outlet.

2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 241.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

- From a Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Display** ➔ **Show battery percentage**.

Turning Your Phone On or Off

To turn your phone on:

- Press and hold the **Power/Lock Key** until the phone switches on.

For more information, refer to *"Unlocking the Device"* on page 19.

Note: Your device's internal antenna is located along the top back of the device. Do not block the antenna; doing so may affect signal quality and may cause the device to operate at a higher power level than is necessary

For more information, refer to *"GPS Applications"* on page 137.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Settings"* on page 170.

To turn your phone off:

1. Press and hold the **Power/Lock Key** until the **Device options** screen displays.
2. Touch **Power off** to turn off the phone.
3. At the **Power off** prompt, touch **OK**.

Setting Up Your Phone

When you turn on your phone for the first time, you will be prompted to set up your phone by using the AT&T Ready2Go feature.

AT&T Ready2Go helps you quickly and easily setup your phone by using the web browser on your PC. You can set up email accounts, import contacts, set wallpaper, configure Wi-Fi, and more.

Some screens can be skipped (touch **Next**) or re-displayed (touch **Back**). Some screens display depending on the options you choose.

Let's Set Up Your Device

Use this screen to quickly and easily set up email accounts, import contacts, and configure Wi-Fi.

1. Touch **Español**, if desired. English is the default.
2. Touch **Terms & Conditions**, read the End User License Agreement for Ready2Go, then touch **back**.
3. Touch **get started**.

   – or –

   To configure your phone later, touch **Remind Later** and then touch **exit**.

   To access this screen later, from a Home screen, touch **Apps** ➔ **AT&T Ready2Go**.
4. Read and follow the instructions on each screen to set up your phone.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and Samsung Link.

1. If you have no Samsung account, touch **Create new account**.

   – or –

   If you do have a Samsung account, touch **Sign in**.

   The Samsung account screen displays.

2. Follow the on-screen instructions to create and activate your account.

If you would rather not create a Samsung account during phone set-up:

- Touch **Skip**.

For more information, refer to *"Signing In to Your Samsung Account"* on page 205.

Google and Your Location

The Google & location screen displays next.

1. Read the information on the screen and enable either or all of the Google location services.
2. Touch ▶ to continue.

TouchWiz Easy Home

Before the Home screen is displayed, you are given the opportunity to begin using your phone with TouchWiz Easy Home or TouchWiz Home.

TouchWiz Easy Home is an easier user experience for first-time smartphone users on the home screens.

TouchWiz Home is the standard mode of operation, which uses a conventional layout for the apps and widgets on your home screens.

- Touch **TouchWiz Easy Home** to activate the easy Home screen mode.

  – or –

  Touch **TouchWiz Home** to activate the standard Home screen mode.

Set-up Complete

Once set-up is complete, the main Home screen displays.

Congratulations! Your device is set up and ready to use.

If you chose TouchWiz Easy Home during set-up, and you would like to switch to Standard mode:

1. Press **Home** to display the main Home screen.
2. Swipe the screen to the left.
3. Touch **Easy settings** ➔ **Home screen mode**.
4. Touch **Standard mode** and then touch **Apply**.

Creating a New Google Account

In order to utilize your device to the fullest extent, create a Google Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

To create a new account, follow these steps:

1. From a Home screen, touch **Apps** ➔ **Gmail**.
   The **Add a Google Account** screen displays.
2. Touch **New** to create a new Google account.
   – or –
   If you already have a Google account, touch **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving Your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to google.com/accounts.
2. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From a Home screen, touch **Phone**.
2. Touch **Voicemail**.
3. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From a Home screen, touch **Phone**.
2. Touch **Voicemail**.

   You may be prompted to enter a password.
3. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail from Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Securing Your Device

By default, the device locks automatically when the screen times out or you can lock it manually. You can unlock the device using one of the default Unlock screens or, for increased security, use a personal screen unlock pattern.

For more information about creating and enabling a Screen unlock pattern, see *"Screen Lock"* on page 181.

For other settings related to securing your device, see *"Location Services"* on page 207.

Note: Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

Locking the Device Manually

- Press the [redacted] ⏻ **Power/Lock Key**.

Unlocking the Device

1. Press the [redacted] ⏻ **Power/Lock Key**.
   The Lock screen displays.
2. Swipe across the screen as shown.

The last screen you accessed displays.

Note: You can customize the Lock screen and set the type of Screen Unlock you want to use (Face unlock, Face and voice, Pattern, PIN, or Password). For more information, refer to *"Lock Screen Options"* on page 181.

Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

- If your device is frozen and unresponsive, press and hold the [redacted] ⏻ **Power/Lock Key** for 8 to 10 seconds.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

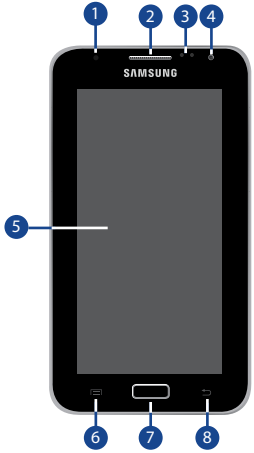
Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- 4G LTE network with 1.5 gigahertz quad-core processor
- Android Version 4.3
- Brilliant 5.5 inch HD sAMOLED plus display
- Touch screen provides quick response to a variety of in-phone menus and options including applications, multi-windows, and up to seven home screens
- Virtual (on-screen) QWERTY keyboard
- Galaxy Gear™ compliant. For more information, please visit: www.samsung.com/us/galaxygearsupport
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi technology
- Mobile Hotspot and USB Tethering capability
- 8 megapixel camera and camcorder with 1.9 megapixel Front Facing camera
- AT&T GPS Navigation functionality provides real-time navigation
- HSDPA 7.2 mbps high speed download capability
- Up to 32 GB expandable memory slot
- Microsoft Exchange ActiveSync and Personal Email
- Sync and update social network applications
- Over 750,000 Apps available to download from Google Play Store and Samsung Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Multiple Messaging Options: Text/Photo/Video Messaging, and Instant Messaging with Google Hangouts
- Samsung Link to share your media content across DLNA certified devices

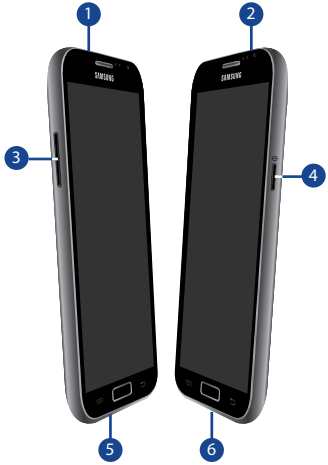
Front View of Your Phone

The following items can be found on the front of your device.



1. **Status light**: Displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
2. **External speaker**: Used to hear the caller.
3. **Proximity and Light sensors**: Uses the ambient light level to adjust keyboard access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.
4. **Front facing camera**: Take photos of yourself when you set the camera shooting mode to Self shot.
5. **Display Screen**: The orientation of the display screen rotates with the phone as you turn it. You can turn this feature on and off. For more information, refer to *"Display"* on page 183.
6. **Menu**: Access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
7. **Home**: Return to the main Home screen from any Home screen or menu. Press and hold to display Recent apps, Task Manager, and Google Search. Quickly press twice to activate the S Voice application.
8. **Back**: Step backwards when navigating a menu or web page.

Side Views of Your Phone



1. **3.5mm Headset jack**: Plug in for headphones.
2. **Microphone**: Used for noise cancellation and stereo recording.
3. **Volume keys**: Adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message.
4. **Power/Lock key**: (⏻) Used to power your phone on and off. Also used to lock or unlock the touch screen. For more information on locking your phone, see *"Securing Your Device"* on page 18.
5. **Microphone**: Allows other callers to hear you when you are speaking to them. It is also used for the Speakerphone.
6. **Power/Accessory Interface connector**: Used to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.

Rear View of Your Phone

1. **Camera lens**: Used to take photos and record videos.
2. **Flash**: Provides adequate light when taking photos in dark places.
3. **External speaker**: Used to hear when the Speakerphone is turned on.
4. **S Pen**: A stylus that assists you in performing different functions.

S Pen

The S Pen is a stylus that assists you in performing different functions. By using the Pen button, you can minimize having to switch between touch and pen input.

1. **Pen button**: Press the Pen button to add functionality to the S Pen. For more information, refer to *"Using the S Pen"* on page 25.
2. **Stylus tip**: Used for touching the screen.

Rich S Pen Functionality

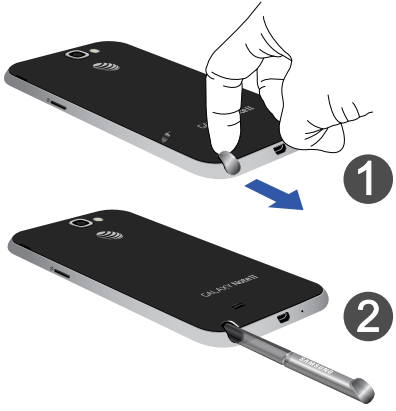
- **Air View**: Hover S Pen over the screen to preview information.
- **Effectively express yourself**: Write or draw directly into an email or the calendar; annotate Word, Excel, PowerPoint, and PDF documents; capture your ideas in S Note; or write a note on the back of a photo.
- **Quick Command**: Launch Quick Command to activate frequently used applications or actions. Press the S Pen button and then drag the S Pen up the screen to display the Quick Command window.
- **Easy Clip**: Instantly outline and crop anything on the screen and freely edit or share with others.

Removing the S Pen from Your Phone

The S Pen is stored in your phone to make it easier to keep track of.

To remove the S Pen, follow these steps:

1. Use your fingernail or a sharp object to pull the end of the S Pen out of the phone (1).



2. Pull the S Pen out of the phone (2).

Using the S Pen

There are several different functions you can perform by using the S Pen.

Go Back

To move to a previous screen:

1. Press and hold the S Pen button.
2. Touch the screen and draw .

   The previous screen displays.

Menu Button

To display the menu from any screen:

1. Press and hold the S Pen button.
2. Touch the screen and draw on the screen.

   The menu displays.

Select Text

To select text:

1. Press and hold the S Pen button.
2. Touch and drag the tip of the S Pen over the text to select it.

Launch S Note Lite

S Note Lite is an application that you can launch from any screen to take quick notes or jot down ideas.

To launch S Note from any screen:

1. Grasp the pen and press the **Pen button**.
2. Quickly double tap the screen.

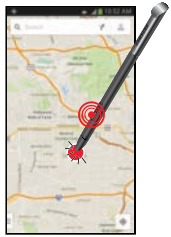
   The S Note Lite pop-up displays.

To access the full S Note application, see *"S Note"* on page 162.

Screen Capture

To take a screen capture:

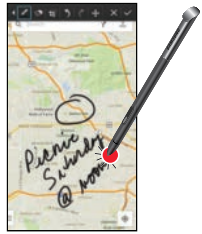
- Hold the S Pen button and touch and hold the S Pen anywhere on the screen.



Write On Any Screen After Capture

To write on a screen capture:

- Use the pen to draw or write on the captured screen image.



Saving a Screen Capture

To save the screen capture and any updates you have made to it:

- Touch **Save**.

  Files are saved in the **My Files** ➔ **All files** ➔ **Device storage** ➔ **Pictures** ➔ **Screenshots** folder. You can also find them in your Gallery in the **Screenshots** album.

For information on using your S Pen with the S Note application, see *"S Note"* on page 162.

Air View

When you hold the S Pen near the screen, a pointer appears on the screen. Move the pointer to files, subjects, or options to preview the contents or view information in pop-up windows.

You can scroll through panels or lists by moving the pointer to an edge (top/bottom/left/right) of the screen.

Home Screen

The main Home screen is the starting point for many applications and functions and it contains items like application icons, shortcuts, folders, or Google widgets, which gives you instant access to information and applications. This is the default page and accessible from any menu by pressing **Home**.

Note: Unless stated otherwise, instructions in this user manual start with the device unlocked, at the Home screen.

1. **Notification Bar**: Shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Email, missed calls, and so on.
2. **Widgets**: Applications that run on the Home screen. Some widgets are found on the Home screen by default. For more information, refer to *"Widgets"* on page 39.
3. **Application icons**: You can place shortcuts to your favorite applications on the Home screen.

4. **Current screen indicator**: Shows which Home screen is presently displayed.
5. **Primary shortcuts**: Allows quick access to important features such as Phone, Messaging, S Note, and Internet. For more information, refer to *"Primary Shortcuts"* on page 38.
6. **Apps**: Display the Apps screen.

Extended Home Screen

The Home screen consists of the Home panel, plus additional panels that extend beyond the display width to provide more space for adding shortcuts and widgets.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Note: The center panel displays when you touch **Home**.

Customizing the Home Screens

To customize the Home screens to suit your preferences:

1. Navigate to one of the Home screen panels.
2. Touch and hold on the screen until the **Home screen** pop-up displays.

   – or –

   Use the S Pen to touch and hold on the screen until the **Home screen** pop-up displays.
3. Touch **Set wallpaper** to change the Home screen wallpaper. For more information, refer to *"Wallpapers"* on page 42.
4. Under **Add to Home Screen** touch:
   - **Apps and widgets** to add app or widget shortcuts on the Home screen.
   - **Folder** to add a folder on a Home screen. For more information, refer to *"Folders"* on page 41.
   - **Page** to add a Home screen.

Display Settings

You can customize display screen settings to your preferences. For more information, refer to *"Display"* on page 183.

Adding and Removing Home Screen Panels

You can add and delete Home screens. You can have up to seven Home screens.

To add a new Home screen:

1. From a Home screen, touch Menu ➔ **Edit page**.
2. Touch the Home screen that contains ⊕.
   A new screen is added.
3. If desired, touch and hold the new screen and drag it to a different location.
4. Touch the Home icon at the upper right corner of a panel to set it as the default home screen.
5. Press **Home** to return to the main Home screen.
   You can now add items to your new Home screen.

To delete a Home screen:

1. From a Home screen, touch Menu ➔ **Edit page**.
2. Touch and hold the Home screen you want to delete.
3. Drag it to the trash can located at the bottom of the screen. The page will turn red.
4. If there are items on the Home screen, the **Delete home screen page** prompt displays.
5. Touch **OK** to delete the page and its contents, otherwise touch **Cancel**.
6. Press **Home** to return to the main Home screen.

Google Search Bar

The Google Search Bar provides an on-screen Internet search engine powered by Google.

1. From the main Home screen, touch the Google Search bar Google.
2. Use the on-screen keyboard to enter the item you want to search for, then touch 🔍.
3. Touch 🎤 to use Google Voice Search. Follow the on-screen instructions.

Navigating Your Device

Use command buttons and the touch screen to navigate.

Command Buttons

Context-Sensitive Menus

Context-sensitive menus offer options for features or screens. To access context-sensitive menus:

- Touch **Menu** to display a list of options.
- Touch an option in the list.

Home

Press **Home** to display the main Home screen, which is usually the center Home screen.

Press and hold to open a list of thumbnail images of apps you have worked with recently. Touch an App to open it.

Touch to display the Task Manager.

To launch Google Search, touch .

Touch to clear all thumbnail images.

Back

Touch **Back** to return to the previous screen, option or step.

Screen Navigation

Touch

Touch items to select or launch them. For example:

- Touch the on-screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate on-screen items. For example:

- Touch and hold a widget on the Home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

Tilt

To activate the tilt feature, touch and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

Turn Over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Pinch

Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out.

For example:

- Pinch a photo in Gallery to zoom in.
- Pinch a webpage to zoom in or out.

Screen Capture

- Touch and hold the **Power/Lock Key** and **Home** to capture and save an image of the current screen.

Note: A copy of the screenshot is automatically saved to the clipboard.

To view the screen shots:

1. From a Home screen, touch **Apps** ➔ **My Files**.
2. Touch **All files** ➔ **Device storage** ➔ **Pictures** ➔ **Screenshots**.
3. Touch a screen capture file to display it.

Using Motion

By activating the various features within the Motion settings menu, you can access a variety of time saving functions.

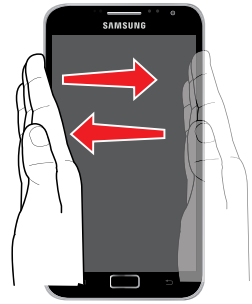
To activate motion:

1. From a Home screen, touch **Menu** and then touch **Settings** ➔ **My device** ➔ **Motion**.
2. Touch the OFF/ON button to turn Motion ON ON.

For more information, refer to *"Motion"* on page 200.

Palm Swipe to Capture

Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe from left to right. The image is then copied to the clipboard.



Palm Swipe to Screen Capure

Notifications

When you receive a notification, the Notification icon displays in the Notification Bar. Notifications indicate the arrival of Gmail, Email, alarms, and more.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Notification Panel:

- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag downward.

In the Notification Panel, touch a Notification icon for more detail. For example, touch a Gmail Notification icon to see who sent the message.

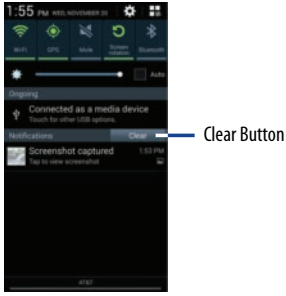
Touch the Time field to open the World clock app and add a new city. Touch a Notification in the list to display the item. For example, touch a Gmail entry to open the Gmail application and view the message.

Most apps that send notifications, such as Gmail, have individual settings that can be configured. See the settings for individual applications.

Clearing Notifications

To clear all notifications from the Notification Panel:

1. From a Home screen, touch the top of the screen and swipe downward, to display the Notification Panel.



2. Touch the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification Panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that will be displayed.

The following functions (default) can either be activated (green) or deactivated (gray): Wi-Fi, GPS, Sound, Screen rotation, Bluetooth, Blocking mode, Power saving, Multi window, Screen Mirroring, and S Beam. For more information, refer to *"Display"* on page 183.

Indicator Icons

This list identifies the symbols can display on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays when the S pen has been removed from the phone.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Additional Settings"* on page 188.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will immediately shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS, HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the UTMS, HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 143.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 144.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Your device is being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.

Displays when TTY device has been inserted.

Displays when a screen capture has been taken.

Displays when the keyboard is active.

Displays when an emergency call is taking place.

Primary Shortcuts

Primary Shortcuts display at the bottom of each Home screen.

The default Primary Shortcuts are: Phone, Messaging, S Note, Internet, and Apps.

You can change the Phone, Messaging, S Note, and Internet application shortcuts to any icon that is displayed in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 40.

Other App Shortcuts

There are also other application shortcuts on the second Home screen, which are: Contacts, Calendar, Email, and Camera.

For more information, refer to *"More Application Information"* on page 43.

Application shortcuts can be added to any Home screen. For more information, refer to *"App Shortcuts"* on page 39.

Widgets

When you first turn on your tablet, there are various widgets on the center Home screen. They can also appear on the Home screens to the left and right of the center Home screen.

Widgets are self-contained applications that you can place on the Home screens to access your favorite features.

Adding Widgets to a Home screen

1. Navigate to the Home screen on which you want to place the Widget and touch **Apps**.
2. Touch the **Widgets** tab.

Note: Swipe across the screen horizontally to view all Widgets.

3. Touch and hold the widget's icon until the Home screen displays, then slide your finger where you want to place the icon and release it.

Note: There must be room on the screen where you want to place the widget, otherwise the widget will not add to the Home screen.

Removing Widgets

- Touch and hold the Widget until the **Remove** icon displays, then drag the widget to the **Remove** icon.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

App Shortcuts

Use App Shortcuts for quick access to applications or features, such as Email or other applications.

1. Navigate to the Home screen on which you want to place the App Shortcut.
2. Touch **Apps**.

   – or –

   Touch and hold on the screen until the **Home screen** options pop-up displays and then touch **Apps and widgets**.
3. Touch the **Apps** tab.

4. Touch and hold the application icon until the Home screen displays, then slide your finger where you want to place the icon and release it.

   For more information, refer to *"Apps Screen"* on page 42.

5. Touch and hold the App Shortcut and then drag the application icon to reposition it on the Home screen.

Removing App Shortcuts

- Touch and hold the App Shortcut until **Remove** displays, then drag the App Shortcut to the **Remove** icon.

Adding and Removing Primary Shortcuts

You can change any of your Primary Shortcuts with the exception of the **Apps** shortcut.

1. Press **Home** to activate the main Home screen.
2. Touch and hold the Primary Shortcut until **Remove** displays, then drag the Primary Shortcut to the **Remove** icon.
3. Touch **Apps** and scroll through the App menu to find the shortcut you want to add as the new Primary Shortcut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of Primary Shortcuts.

   The new Primary Shortcut displays on all Home screens.

Folders

Place Folders on a Home screen to organize items together.

Adding Folders

To create a folder on a Home page:

1. Navigate to the desired Home screen.
2. Touch and hold on the screen until the **Home screen** pop-up displays and then touch **Folder**.

   The Create folder pop-up displays.
3. Touch the **Unnamed folder** field, use the keyboard to enter a name for the folder, and touch **OK**.

   A new folder displays on the Home screen.

Managing Folders

To rename a folder:

- Touch the folder, touch the current name, and use the keyboard to enter a new name for the folder.

To add an App shortcut to a folder:

1. Add the App shortcut to the Home screen that the folder is on.
2. Touch and hold the App shortcut, drag it to the folder, and drop it.

To remove an App shortcut from a folder:

1. Touch the folder to view the contents.
2. Touch the App shortcut, drag it out of the folder, and drop it on the Home screen.

Removing a Folder

- Touch and hold the folder until the **Remove** icon displays, then drag the folder to the **Remove** icon.

Note: Any App shortcuts in the folder are also removed.

Wallpapers

You can choose a picture to display on the Home Screen, Lock screen, or on both the Home and Lock screens. Choose from preloaded wallpaper images or select a photo you have downloaded or taken with the Camera.

1. From a Home screen, touch and hold on the screen.

   The **Home screen** options pop-up displays.

2. Touch **Set wallpaper**.

   The Set wallpaper pop-up displays.

3. Touch **Home screen**, **Lock screen**, or **Home and lock screens**.

   The **Select wallpaper from** pop-up displays the following options:

   - **Gallery**: Access the Gallery to select a photo. Touch a photo to select it. Crop and resize the picture, if desired. Touch **Done** to save the picture as wallpaper. Touch **Cancel** to cancel.
   - **Live wallpapers**: Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example. If available, touch **Settings** to view options for the selection. Touch **Set wallpaper** to save your choice. Touch **Back** to return to the Live wallpapers menu.
   - **Wallpapers**: Choose from pre-loaded wallpaper images. Touch an image to view it. Touch **Set wallpaper** to save it as wallpaper. Touch **Back** to return to the Home screen.

Note: Live wallpapers is not available for the Lock screen.

Apps Screen

The **Apps** screen displays all applications installed on your wireless device. Applications that you download and install from Google Play or from the web are also added to a Home screen.

The Apps icons are arranged in a customizable grid. To arrange the Apps icons in alphabetical order:

1. From a Home screen, touch **Apps**.
2. Touch **Menu** ➔ **View type**.
3. Touch **Alphabetical grid**.

To manually change the order of the icons on the Apps screen:

1. From a Home screen, touch **Apps**.
2. Touch **Menu** ➔ **Edit**.
3. Touch and hold an icon and drag it to a new position.
4. Touch **Save** to save the changes.

You can place shortcuts to applications on the Home screen for quick access to the application. For more information, refer to *"App Shortcuts"* on page 39.

To view your downloaded applications:

1. From a Home screen, touch **Apps**.
2. Touch **Downloaded applications** to view downloaded apps.
3. Touch an icon on the **Downloaded applications** screen to launch the application.

   – or –

   Add an App Shortcut to a Home screen by dragging the App icon onto the Home Screen. For more information, refer to *"App Shortcuts"* on page 39.

Application Information

To view information about an App, such as the amount of storage it uses, force the App to stop, uninstall updates, and clear data:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **Application manager**.
2. Touch the **ALL** tab, scroll through the apps list, and touch the app to open a screen with details about the App.

More Application Information

For more information, refer to *"Applications"* on page 136.

In that section, each application that is available on the Applications screen is listed and described. If the application is also described in another section of this user manual, then a cross reference to that particular section is provided.

Navigating Through the Home Screens

Your phone originally has three home screens, but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with a Home screen on each side.

Navigating Through the Apps Screens

Your phone initially has three Apps screens available. Follow these steps to navigate through the Apps screens:

1. From a Home screen, touch **Apps**.
   The first Apps screen displays.
2. Sweep the screen left or right to access the other two screens.
3. Touch an apps icons to launch the app.

Note: As you add apps, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Touch **Menu**.
   A sub-menu displays at the bottom of the phone screen.
2. Touch an option.

Multi Window

This feature can be used to run multiple applications on the current screen at the same time.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen.
When launching applications that contain multimedia files (music or video), audio from both files will be played simultaneously.

Activating and Deactivating Multi Window

To activate Multi window:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Display** ➔ **Multi window**.
   A check mark will appear.
2. Touch **Home** to return to the Home screen.
3. Touch the Multi window tab to open the application panel showing all the available Multi window apps.

Note: Initially upon activation, the entire apps panel is briefly displayed, then minimized to only show the tab.

To deactivate Multi window:

- Touch and hold **Back**. This action hides the Multi window tab from view.

Note: Once you have set the Multi window option On in Step 1, you only need to touch and hold **Back** to re-activate the Multi window feature.

Tip: Multi window can also be activated or deactivated by touching the top of the screen, dragging downward to display the Notification Panel, and then touching **Multi window**.

Repositioning the Multi Window

The Multi window contains two components: the tab and the apps panel. The tab can be manually moved up or down the left or right edge of the screen. The Apps panel, which contains the scrollable apps, and the tab can be relocated to lock onto the left or right side of the screen.

To move the tab and relocate the apps panel:

1. Activate the Multi window feature.
2. In a single motion, touch and hold the Multi window tab for approximately one-second.
3. Slowly drag up or down the current side of the screen.

Note: This is a quick way to get the tab out of the way if you cannot get to a button or option behind it.

– or –

In a single motion, touch and hold the tab for approximately one-second to detach it from the screen, then slowly drag it to the opposite screen edge.

Customizing the Multi Window Apps

The applications found within the apps panel of the Multi window can be organized by either being rearranged or removed.

To rearrange the Multi window applications:

1. Activate the Multi window feature.
2. Touch the tab to display the apps panel and the scrollable apps.
3. In a single motion, touch and hold a desired app icon until it detaches from the panel, then carefully drag it to a new location in the list of apps.
4. Lift your finger or stylus off the screen to let go of the app and drop it into its new location.

To remove or restore a Multi window application:

1. Activate the Multi window feature.
2. Touch the Multi window tab to display the apps panel and the scrollable apps.
3. Touch the **Edit** button, which is located at the bottom of the list, to reveal a staging area that can house any removed applications from the Multi window panel.
4. In a single motion, touch and hold a desired app icon until it detaches from the panel, then carefully drag it out of the apps panel and onto the staging area.

   – or –

   In a single motion, touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the current list of apps.
5. Touch **Done** once you have completed the removal process. The staging area is removed.

Using Multi Window

You can use Multi Window to run multiple apps on the same screen.

Any of the apps found within the Multi window panel can be run at the same time as a current on-screen app.

Once multiple apps are running on the same screen, you can then choose to either swap their positions or maximize a desired app.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen.

When launching applications that contain multimedia files (music or video), audio from both files will be played simultaneously.

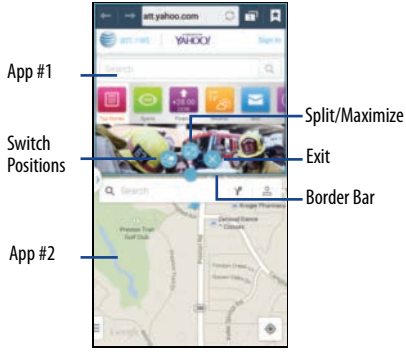
In the following example, we will be launching both the Internet and Maps applications, but any two apps listed in the Multi window apps panel will work the same way.

1. From a Home screen, touch **Internet**.
2. Activate the Multi window feature.
3. Touch the tab to display the apps panel.
4. Touch and hold the **Maps** icon until it detaches from the panel.
5. In a single motion, drag it over the current **Internet** screen and drop it over either the top or bottom area of the screen.

Note: Once the two applications are running, the device displays a split screen view containing both the initial Multi window app and the second Multi window app. Each application is still independent of the other.

To switch the arrangement of the applications:

1. With the two applications shown in a split screen, touch the Border bar to show the on-screen icons.
2. Touch the desired application area (top or bottom).
3. Locate and touch **Switch Positions**.
   The current apps are switched.



To increase the size of a desired application window:

1. With the two applications shown in a split screen, locate the Border bar indicating the edge of the app window.
2. In a single motion, touch and hold the Border bar then drag it to resize the desired window.

To split the current applications:

1. With the two applications shown in a split screen, touch the Border bar to show the on-screen icons.
2. Touch the desired application area (top or bottom).
3. Locate and touch **Split / Maximize**. The current apps are the both maximized.

To exit the Multi window app:

- Touch **Exit**.

Smart Screen

With Smart screen activated your phone automatically adjusts screen time-out and rotation when it detects you are looking at the screen.

Smart screen features include:

- **Smart stay**: The screen does not time out as long as you are looking at it.
- **Smart rotation**: The screen automatically updates to match the angle at which you are viewing the screen.

Smart screen uses the front camera to detect when you are facing the screen. Some factors may affect the ability of the front camera to detect your face:

- When the phone is not docked or held upright. For example, when placed on a table.
- When the front camera cannot detect your face and eyes.
- When the front camera is used for the current application.
- When the light source is behind you or when using the phone in the dark.

Configure Smart Screen

To enable Smart screen features:

- From a Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Smart screen**.

For more information, refer to *"Smart Screen"* on page 202.

Pop-up Video

Multitask with Pop-up Video by transforming your video player into a pop-up window floating on the screen. The video continues to play, and the pop-up window can be resized or moved anywhere on the screen.

To use Pop-up Video:

- While watching a video, touch the **Pop-up Video** icon in the lower right corner of the screen.

Memory Card

Your device lets you use a microSD (SD) or microSDHC card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Installing a MicroSD Card"* on page 10.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD Card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **Storage**.
2. Scroll to the bottom of the display and touch **Unmount SD card**.
3. Touch **OK**.

   For more information, refer to *"Installing a MicroSD Card"* on page 10.

SD Card Available Memory Status

To view the memory allocation for your external SD card:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **Storage**.
2. The available memory for Device and SD card displays under the **Total space** and **Available space** headings.

Erasing Files from the SD Card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 50.
1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **Storage**.
2. Touch **Format SD card**.
3. At the **Format SD card** confirmation prompt, touch **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

---

4. Touch **Delete all** to format or touch **Back** to cancel.

Help

Access help information to learn how to use the device and applications or configure important settings.

1. From a Home screen, touch **Apps** ➔ **Help**.
2. Select a category to view tips.

To view product videos:

- Touch **Open Link**.

To manage Help settings:

1. Touch **Show help tip pop-ups**.
2. Touch the help tips you would like to see again.

Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

There are three text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keyboard that can be used in both portrait and landscape orientation.
- **Swype**: Instead of touching each key to enter text, use your finger to trace over each letter of a word.
- **Google voice typing**: Enter text by speaking.

To change the input method, see *"Keyboards and Input Methods"* on page 195.

To choose a text input method while entering text:

1. Touch the top of the screen and swipe downward.
   The Notification Panel displays.
2. Touch **Select input method**.
   The Select input method pop-up displays.
3. Touch an input method to activate it.

For more information, refer to *"Keyboards and Input Methods"* on page 195.

Using the Samsung Keyboard

The Samsung keyboard is a custom virtual QWERTY keyboard, featuring optional predictive text. Input characters by touching the on-screen keys with your finger or use speech recognition.

You can enable predictive text, to have the Samsung keyboard match your key touches to common words and display them. The Personalization option learns from Gmail, Facebook, and Twitter. Log into these applications to enable the Samsung keyboard to learn from your text input.

Configuring the Samsung Keyboard

Configure the Samsung keyboard to your preferences.

- While entering text, touch and hold **Options**, then select **Settings** in the pop-up menu.

  The Samsung keyboard settings screen displays.

For more information, refer to *"Samsung Keyboard"* on page 196.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keyboard displays.

Changing the Text Input Mode

There are two main keyboard layout keys that will change the on-screen keys within the QWERTY keyboard.

The available Text Input modes are: **Sym** and **Abc**.

Symbol/Numeric Mode: Activates the number, symbol, and emoticon keys.

ABC Mode: Activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift ( ) key.

Note: When in **Abc** mode, the **Sym** button appears. When in **Sym** mode, the **Abc**/**ABC**/**abc** button appears.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you touch the **Enter message** field, the following screen displays:
3. Touch the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key ( ) will change to and following letters will be lowercase.
5. Touch to input another upper-case letter or double-tap to switch to ABC mode. The shift key will change to in ABC mode. All following letters will be uppercase until you touch the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Touch Sym at the bottom of the screen. The following screen displays:
3. Touch the desired number, symbol, or emoticon characters.
4. Touch the 1/2 button to access additional symbols.
5. Touch ABC to return to Abc mode.

Predictive Text

The Predictive Text option provides next-letter prediction and regional error correction, which compensates for touching the wrong keys on the QWERTY keyboard. Predictive text is turned on by default.

1. Touch and hold **Options** on the keyboard, then touch **Settings**.

   The Samsung keyboard settings screen displays.
2. Touch the **OFF/ON** button to turn Predictive text ON ON.
3. While entering characters, potential word matches display in the Predictive text area above the keyboard. Touch a word to insert it into your text.

Note: Predictive Text mode is available for landscape or portrait orientation.

Entering Text Using Handwriting

You can enter text simply by using your finger to handwrite letters on your screen.

1. From the keyboard, touch **Options**.
2. Use your finger tip to write out each character. You can print or use cursive.
3. You can write out your entire message using the Handwriting feature or touch to switch back to Samsung keyboard mode.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. From the keyboard, touch the top of the screen and drag downward to display the Notification Panel.
2. Touch **Select input method**.
3. Touch **Google voice typing**.
4. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
5. If the red microphone turns gray, then the feature has timed out and you should touch the microphone icon to start again.

   The text displays in the message as you are speaking.
6. After you have quit speaking for several seconds, touch to return to the keyboard.

Note: The feature works best when you break your message down into smaller segments.

Entering Text Using Swype

Swype is a text input method that makes it possible to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a touch predictive text system.

Enabling and Configuring Swype

To enable the Swype keyboard while entering text:

1. Touch the top of the screen and swipe downward, to display the Notification Panel.

   The Notification Panel displays.

2. Touch **Select input method**.

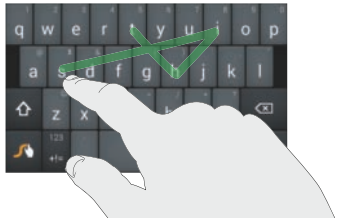
   The Select input method pop-up displays.

3. Touch **Swype**.

   The Swype keyboard displays.

Swype Tips

The following example shows how to enter the word “This”. Put your finger down on the “T”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



Here are a few tips to get you started:

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-tap on the word you want to change to correct a misspelled word, then touch the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Swype Settings

To configure Swype to your preferences.

- While entering text, touch and hold the **Swype Key** to display the Settings screen.

  For more information, refer to *"Swype"* on page 198.

Swype Help

While entering text, you can get information about Swype.

1. Touch and hold the **Swype Key** to access the Swype options menu.
2. Touch **Help** → **How to Swype**.

   The Swype tutorial displays.

Section 3: Contacts and Your Address Book

This section explains how to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

Your Address Book

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate, but are used as a single entity called the *Address Book*.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

AT&T Address Book Activation

When you access the AT&T Address Book, the network backup service, contacts are automatically synchronized between your phone and online address book. The changes you make are automatically saved and, if you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone.

To activate the AT&T Address Book:

1. From the main Home screen, touch **Contacts**.

   – or –

   From a Home screen, touch **Apps** ➔ **Contacts**.

   – or –

   From a Home screen, touch **Phone** ➔ **Contacts**.

   Your Address Book is displayed.

2. If you have not synchronized your phone with your online AT&T Address Book recently, the **AT&T Address Book** screen is displayed. If you want to synchronize your Address Book, touch **Yes**.
3. Follow the on-screen instructions.
4. At the **Your AT&T Address Book is Ready for Use** prompt, touch **OK**.

   Your Contact list is displayed.

Your AT&T Address Book is Ready to Use. You can now make a call or send a message through your Address Book.

You can also manage your Address Book on the web at www.att.com/addressbook.

Synchronizing Your AT&T Address Book

If you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone by following these steps:

1. Touch **Contacts**.
2. Touch **Menu** ➔ **Settings** ➔ **AT&T Address Book**.
3. At the AT&T Address Book screen, touch **Sync Now** to synchronize your phone with your online Address Book.
4. If there are existing contacts on your phone, you will be prompted whether you would like to remove them first. Touch **Yes** or **No**.

Note: You must first copy any contacts that exist on your SIM card to your phone. For more information, refer to *"Copying Contacts to the Phone"* on page 71.

Your phone is synchronized and your Contact list displays.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home Screen

1. Touch **Contacts** ➔ **Add**.
   The Add Contact screen displays.
2. At the top of the screen, touch and then touch **Device**, **SIM**, or an account, depending on where you want to store the new contact.
3. Touch the Contact image to choose a picture to identify the contact.
4. Touch contact fields to display the keyboard and enter information:
   - Some fields have preset values. Touch the field and touch the desired value. For example, touch the Label tab and touch a label for the field.
   - Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
   - Touching the check box next to some fields may make additional fields available.
   - Touch to add additional fields.Touch to remove an unused field. Also, touch **Add another field** to add other fields.
   - Touch the screen and swipe up or down to display additional fields or touch **Next** on the keyboard to move to the next field.
5. Touch **Back** to remove the keyboard.
6. When you finish entering information, touch **Save** to save your changes or touch **Cancel** ➔ **OK** to cancel and discard changes.

Tip: Display a contact's record and touch the **Email** field to send an email, the **Address** field to display the address on a map, or the **Website** field to link to the website.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause stops the calling sequence for two seconds and a wait pauses the calling sequence until you enter a number or touch a key.

To add a pause or a wait to an existing Contact:

1. Touch **Contacts**.
2. Touch the name or number to open the Contact.
3. Touch **Edit** to edit.
4. Touch the phone number field.
5. Touch the screen at the position where the pause or wait needs to be added.
6. Touch Sym.
7. Touch **Pause(,)** to add a two-second pause or touch **Wait(;)** to add a wait. A pause displays as a **,** (comma) and a wait displays as a **;** (semi-colon).
8. Touch 123 and use the keypad to enter the additional numbers
9. Touch **Save** to save your changes or touch **Cancel** ➔ **OK** to cancel and discard changes.

Editing an Existing Contact

When editing an existing contact, you can touch a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. Touch **Contacts**.
2. Touch and hold the Contact that you want to edit.
3. Touch **Edit**.
4. Touch any of the fields to add, change, or delete information.
5. Touch **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can call those contacts easily and quickly by either using their phone number or by using the Search field to locate a contact entry.

You can also send messages from the Address book.

Finding an Address Book Entry

To find an Address Book entry:

1. Touch **Contacts**.
2. Within the Contacts list (sorted alphabetically), touch a letter on the right side of the display to quickly jump to the contacts beginning with that letter.
3. Touch the contact you want to call or message.
4. to make a phone call, touch the phone icon .

   – or –

   To send a message, touch the message icon .

   For more information, refer to *"Creating and Sending Messages"* on page 91.

Tip: From the Contact list, swipe right over a listing to make a call. Swipe left over a listing to send a message.

Linking Contacts

Linking Contact Information

Your device can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your device, you may have multiple contacts for one person.

Link contact records to see all the contact's numbers and addresses together. Linking also helps you keep your contacts updated because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, and so on, automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 65.

Linking Contacts

1. Touch **Contacts**.
2. Touch a contact name that you want to link to another contact entry.

   Note: Typically this is the same contact with a different name or account information.
3. Touch **Menu** ➔ **Link contact**.

   The contact list displays.

Note: Only contacts stored on your phone can be linked.

4. Touch the second contact entry that you want to link with the first contact entry.

   The second contact is now linked with the first contact and the account information is merged into one screen.

Note: When you link the contacts, the information is still maintained in both entries, but displays in one record for easier viewing.

5. Touch in the **Connection** section to view the linked contact information. The location of the contact, such as Device or SIM, displays along with the contact's name.

Unlinking Contacts

1. Touch **Contacts**.
2. Touch the linked contact name.

   In the **Connection** section, various icons show how many contacts are linked in this record.
3. Touch in the **Connection** section to display the linked contacts list.
4. Touch next to a contact to remove it from the linked contact record.
5. At the **Separate contact** prompt, touch **OK**.

   The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the "default" number or entry.

1. Touch **Contacts**.
2. Touch a Contact name.
3. Touch **Menu** ➔ **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, touch the radio button next to another entry that you want to be the default. The radio button will turn green, then touch **Done**.

Synchronizing Accounts

From the Accounts menu you decide whether you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. Touch **Contacts**.
2. Touch **Menu** ➔ **Accounts**.
   If you have previously added any accounts, the **Sync settings** screen displays with your current accounts listed.
3. Touch an account that you would like to synchronize.
4. At the **Sync settings** screen, touch the options that you would like to synchronize for that account.
5. Touch **Sync now** to synchronize the account.
   The account is synchronized.
6. Touch **Back** to return to the Contacts list.

Note: You can also synchronize your accounts using the Settings menu. For more information, refer to *"Synchronizing Accounts"* on page 204.

Address Book Options

You can access Address Book options while at the main Address Book screen or while in the details screen for a specific entry.

Options in Address Book

1. Touch **Contacts**.
2. Touch **Menu**.

   The following options are displayed:

   - **Delete:** Delete one or more contacts.
   - **SIM Management**: Copy contacts from your phone to your SIM card or from your SIM card to your phone. You can also delete contacts from your SIM.
   - **Import/Export**: Move contacts to or from your memory card or USB storage.
   - **Share namecard via**: Send one or more contact's information by using Bluetooth, ChatON, Drive, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Accounts**: Display the accounts set up on your phone. Touch **Add account** to add additional accounts or touch an existing account to manage sync settings.
   - **Speed dial setting**: Set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 77.
   - **Send message/email**: Send a text message or an email to one or more contacts.
   - **Contacts to display**: You can choose to display all of your contacts or only display contacts on your Phone, SIM, or contacts stored to other accounts. You can also touch Customized list to change other options on how your contacts are displayed.

- **Settings**: Displays options for viewing contacts:
  - **Only contacts with phones**: Only display contacts that have phone numbers.
  - **List by**: List contacts by First name or Last name.
  - **Display contacts by**: Display contacts by First name first or Last name first.
  - **Service numbers**: Display or edit your service numbers.
  - **Contact sharing settings**: Touch **Settings** to specify how contacts are transferred to another device, either as a full group or individually.
  - **AT&T Address Book**: Access the AT&T Address Book so you can sync your contacts.

Contact Options

1. Touch **Contacts**.
2. Touch a contact and at the contact's display screen, touch **Menu**.
3. The following options are displayed:
   - **History**: View the phone and message history for the contact.
   - **Edit**: Edit the contact's information.
   - **Delete**: Delete the contact from your Address Book.
   - **Link contact**: Link contacts with other contacts.
   - **Separate contact**: Separate contacts that have been linked. This option only appears if the contact has been linked.
   - **Mark as default**: When you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to *"Marking a Contact as Default"* on page 65.
   - **Assign speed dial**: Assign this contact to your speed dial list. For more information, refer to *"Making a Call Using Speed Dial"* on page 77.
   - **Share namecard via**: Send the contact's information by using Bluetooth, ChatON, Drive, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Add to/Remove from reject list**: Add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
   - **Add shortcut to home**: Place a shortcut for this contact on your Home screen.

Groups

Assign contacts to Groups to make searching for contacts faster or to quickly call or send messages to group members. There are several default groups that are predefined, which you can use to add your contacts, or you can create new groups.

Creating a New Group

1. Touch **Contacts** ➔ **Groups** ➔ **Menu** ➔ **Create**.
2. Touch the **Group name** field and use the on-screen keyboard to enter a new group name. Touch **Done** to remove the keyboard.
3. Touch **Group ringtone** to choose a ringtone for assignment to this new group. Touch a ringtone to hear how it sounds, then touch **OK**.

   – or –

   Touch **Add** to select a ringtone from your music files.
4. Touch **Message alert** to choose an alert tone for assignment to this new group, then touch **OK**.
5. Touch **Vibration pattern** to choose a vibration audio file for assignment to this new group, then touch **OK**.

   – or –

   Touch **Create** and follow the on-screen instructions to create your own vibration pattern.
6. Touch **Add member** to add contacts to the new group.

   Touch each contact you want to add to create a check mark. You can also touch **Select all**.

   Touch **Done** to add the members.
7. Touch **Save** to save the new contact Group.

Adding a Contact to a Group

8. Touch **Contacts** ➔ **Groups**.
9. Touch a group entry.
10. Touch **Add** to add to a member to the group.
11. Touch contacts to add to the group or touch **Select all**.
12. Touch **Done**.

    The contacts are added to the group.

Removing a Contact from a Group

1. Touch **Contacts** ➔ **Groups**.
2. Touch a group entry.
3. Touch **Menu** ➔ **Remove member**.
4. Touch contacts you want to remove from this group or touch **Select all**.
5. Touch **Done**.

   The contacts are removed from the group.

Editing a Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. Touch **Contacts** ➔ **Groups**.
2. Touch a group entry.
3. Touch **Menu** ➔ **Edit group**.
4. Make modifications to the **Group name**, **Group ringtone**, **Message alert**, or **Vibration pattern** fields.
5. Touch **Add member** to add more contacts to this group. Touch **Done** to add the members.
6. Touch **Save** to save the edited contact Group.

Deleting a Group

1. Touch **Contacts** ➔ **Groups**.
2. Touch **Menu** ➔ **Delete groups**.
3. Touch each group that you want to remove or touch **Select all**.

   Note: You cannot delete default groups.
4. Touch **Delete**, then choose **Group only** or **Group and group members**, and touch **OK**.

Sending a Message to Group Members

Create a new text or email message, addressed to a group's members.

1. Touch **Contacts** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message or touch **Select all**, and then touch **Done**.

   The new message opens with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 91, or see *"Email"* on page 96.

Address Book Favorites

Mark contacts with a gold star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone and Contacts apps for fast dialing or messaging, and are indicated by the .

To view your Favorites list:

- Touch **Contacts** ➔ **Favorites**.

Adding Favorites

1. Touch **Contacts** ➔ **Favorites**.
2. Touch **Menu** ➔ **Add to favorites**.
3. Touch contacts to mark them as favorites or touch **Select all**, and then touch **Done**.

   A gold star displays next to the contact in the Address Book.

Tip: To mark one contact as a favorite, touch **Contacts**, touch the contact, and then touch the star in the upper right corner of contact screen so that it turns gold .

Removing Favorites

1. Touch **Contacts** ➔ **Favorites**.
2. Touch **Menu** ➔ **Remove from favorites**.
3. Touch contacts to mark them for removal or touch **Select all**, and then touch **Done**.

   The gold star no longer displays next to the removed contacts in the Address Book.

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. Touch **Contacts** ➔ **Menu** ➔ **SIM Management**.
2. Touch **Copy contacts to SIM**.

   A list of your current phone contacts displays.
3. Touch contacts to mark them to be copied or touch **Select all**.
4. Touch **Done** to copy.
5. At the **Copy to SIM** display, touch **OK**.

   The selected numbers are copied to the SIM card.

Copying Contacts to the Phone

1. Touch **Contacts** ➔ **Menu** ➔ **SIM Management**.
2. Touch **Copy contacts from SIM**.
3. At the **Create contact under account** prompt, touch **Device** or an account name to which you would like to copy the contact.

   A list of contacts stored on your SIM card displays.
4. Touch contacts to mark them to be copied or touch **Select all**.
5. Touch **Done** to copy.

   The selected numbers are copied.

Deleting Contacts from the SIM card

1. Touch **Contacts** ➔ **Menu** ➔ **SIM Management**.
2. Touch **Delete contacts from SIM**.
   A list of contacts stored on your SIM card displays.
3. Touch contacts to mark them to be deleted or touch **Select all**.
4. Touch **Delete**.
   The Delete contacts from SIM pop-up displays the number of contacts that will be deleted from your SIM card.
5. Touch **OK**.
   The selected contacts are deleted from your SIM card.

Deleting Contacts

You can delete Phone or SIM entries from your phone's memory.

1. Touch **Contacts**.
2. Touch and hold a contact that you want to delete, then select **Delete** in the pop-up menu.

Note: Deleting contacts that are saved under an account will be deleted from the account, if sync is turned on.

3. At the Delete contact prompt, touch **OK** to delete the contact or **Cancel** to exit.

Speed Dials

Speed dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making a Call Using Speed Dial"* on page 77.

Note: Speed dial 1is reserved for Voicemail by default, and cannot be assigned.

Assigning Speed Dials

1. Touch **Contacts**.
2. Touch **Menu** ➔ **Speed dial setting**.

   A list of speed dials displays.
3. Touch a **Not assigned** speed dial field, then touch a contact to assign the contact to the speed dial location.

Removing or Reassigning a Speed Dial

1. Touch **Contacts**.
2. Touch **Menu** ➔ **Speed dial setting**.
3. Touch **Menu**, then touch an option:
   - **Change order**: Touch an assigned speed dial, then touch a new speed dial location to change the order.
   - **Remove**: Touch a speed dial to remove it.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. Touch **Contacts**.
2. Touch **Menu** ➔ **Settings** ➔ **Service numbers**.
3. Scroll through the available numbers.
4. Touch a number and the call is made.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 4: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Call"* on page 186.

Displaying Your Phone Number

- From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **About device** ➔ **Status**.

  Your phone number displays in the **My phone number** field.

Phone

Use the Phone app to access the phone Keypad, Recent calls, Favorites, and Contacts.

There are several ways to access Phone:

- From a Home screen or **Apps**, touch **Phone**.

  – or –

  From a Home screen, touch **Contacts** ➔ **Phone**.

Making a Call

1. From a Home screen, touch **Phone** and use the on-screen keypad to enter the number you want to dial.
2. Touch **Call** to make the call.

Note: When you activate the **Auto redial** option in the Call settings, the phone automatically redials up to 10 times when the person does not answer the call or is already on the phone. For more information, see **Auto redial** on page 188.

Making an International Call

1. Touch **Phone**, then touch and hold 0 +.

   The **+** character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, touch until the desired numbers have been deleted.
3. Touch **Call** to make the call.

Manual Pause Dialing

To manually call a number with pauses without storing them in your Contacts list:

1. Touch **Phone** and use the on-screen keypad to enter the phone number.
2. Touch **Menu** to display the dialer sub-menu.
3. Touch **Add 3-sec pause** to add a three second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than three seconds by entering multiple three second pauses.

4. Touch **Menu** → **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or touch a key.
5. Touch **Call** to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 62.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, touch to erase a single character.
  - Touch and hold to erase the entire string of numbers.

Ending a Call

To end a call:

- Touch **End call**.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name is also displayed.

1. Touch **Phone**.
2. Touch **Logs**.

   A list of recent calls displays.
3. Touch the desired Contact to enter the **Details** page, then touch **Call** to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone. Normal cell phone service is not available.

Making an Emergency Call without a SIM Card

1. Touch **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and touch **Call**. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Touch **End call** to exit this calling mode.

Making an Emergency Call with a SIM Card

The Emergency calling mode makes redialing an emergency number a 1-touch process. Before you can resume normal calling operations, you should first exit this mode.

1. Touch **Phone**.
2. Enter the emergency number (example: 911) and then touch **Call**.
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
   - After completing your emergency call, appears in the Notification area until you exit the Emergency calling mode.

Note: This mode can drain your battery power more rapidly than a normal calling mode.

Making a Call Using Speed Dial

You can assign a shortcut number to a phone number in your Contacts List for speed dialing.

1. From a Home screen, touch **Apps** ➔ **Contacts** to display your Contacts List.
2. Touch **Menu** ➔ **Speed dial setting**.

   The Speed dial setting screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.
3. Touch an unused number.

   The Select contact screen displays.
4. Touch a contact to assign to the number.

   The selected contact displays in the speed dial number box.

To remove a speed dial number or change the order:

1. From the Speed dial setting screen, touch **Menu**.
2. In the pop-up menu, touch **Change order** or **Remove**.

To make a call using Speed Dial:

1. Touch **Phone**.
2. Touch **Keypad**, if necessary.
3. From the on-screen keypad, touch and hold the speed dial number.

   If the speed dial number is more than 1 digit long, enter the first digits, then hold the last digit.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 63.

Answering a Call

You can answer incoming calls when the device is locked or unlocked. When you receive a call, an incoming call screen displays. The caller's phone number or name is displayed, if stored in the Address Book.

To answer the call:

- Touch and drag in any direction.

To reject the call and send it to your voicemail:

- Touch and drag in any direction.

To reject the call with a message:

- Touch and drag the **Reject call with message** tab upward.
  - Touch a predefined text message to send to the caller.

  – or –

  - Touch **Create new message** to compose a new message.

To end the call:

- Touch **End call**.

Note: You can answer a call while using the Address Book or other functions. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From a Home screen or the Apps menu, you have the option to access the Dialer and initiate a call:

- Touch **Phone** ➔ **Keypad**, if necessary.

From the Dialer and the Contacts screen, the following tabs are located at the top of the screen:

- **Keypad**: Dial the current number entered using the on-screen keypad.
- **Logs**: Display a list of all dialed, received, and missed calls.
- **Favorites**: Display your contacts that you have marked as Favorites.
- **Contacts**: Go to your Address Book where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact, if needed.

Call Log

The phone stores the numbers of the calls you have dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. Touch **Phone**.
2. Touch **Logs**.

   A list of recent calls displays. If the number or caller is listed in your Address Book, the associated name displays.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Viewing Missed Calls from the Lock Screen

The number of calls you have missed displays on the Home screen.

- Touch the missed call number to display the Call log.

The Call log displays. Missed calls are identified by the icon next to the number.

Note: If there is a voicemail sent by the same number, associated icons are displayed and can then be selected.

Calling or Messaging a Missed Call

To call back a missed call number:

1. Touch **Phone** ➔ **Logs**.

   A list of recent calls displays. If the number or caller is listed in your Address Book, the associated name displays.

2. Swipe the desired missed call to the right to call.

   – or –

   Swipe the desired missed call to the left to message.

   For more information, refer to *"Creating and Sending Messages"* on page 91.

Saving a Recent Call to Your Address Book

1. Touch **Phone** ➔ **Logs**.

   A list of recent calls displays.

2. Touch the call you want to save to your Address Book.

   The call detail page displays.

3. Touch **Create contact** to add the call to your Address Book.

   The Create contact screen displays.

   – or –

   If you want to replace the number for an existing contact, touch **Update existing**.

4. Enter information into the various fields using the keyboard.

5. Touch **Save** to save when you are finished.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 61.

Deleting a Call Log Entry

1. Touch **Phone** ➔ **Logs**.
   A list of recent calls displays.
2. Touch and hold the call you want to delete from the Call log.
3. Touch **Delete**.
4. At the Delete log prompt, touch **Delete**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. Touch **Phone** ➔ **Logs**.
   A list of recent calls displays.
2. Touch and hold the call you want to add to the Reject List.
3. Touch **Add to reject list**.
4. At the Add to reject list prompt, touch **OK**.
   Future calls from this number will be rejected and sent to your voicemail.

Tip: Once a number has been added to the Reject list, **Remove from reject list** displays and can be used to remove the number.

Call Duration

1. Touch **Phone** ➔ **Logs**.
2. Touch **Menu** ➔ **Call duration**.
   The following times are displayed for Voice and Data:
   - **Last call**: The length of time for the last call.
   - **Dialed calls**: The total length of time for all calls made.
   - **Received calls**: The total length of time for all calls received.
   - **All calls**: The total length of time for all calls made and received.
3. To reset these times to zero, touch **Menu** ➔ **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

  – or –

  Quickly add more volume to the incoming audio by touching the on-screen **Extra volume** button .

From a Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by touching a corresponding on-screen button.

- **Hold**: Place the current active call on hold.
- **Add call**: Display the dialer so you can call another person.
- **Keypad**: Display the on-screen keypad, where you can enter a number using DTMF (Dual Tone Multi-Frequency).
- **End call**: Terminate the call.
- **Speaker**: Route the phone's audio through either the speaker or through the earpiece.
  - Touch **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line appears under the Speaker button.
  - Touch **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 86). The green line disappears when Speaker is not activated.

- **Mute/Unmute**: Turn the onboard microphone either on or off.
  - Touch **Mute** during a call to mute the microphone. A green line appears under the Mute button.
  - Touch **Mute** again to unmute the microphone. The green line disappears when Mute is not activated.
- **Headset**: Connect to a Bluetooth headset.
  - Touch **Headset** during a call to activate a Bluetooth headset. A green line appears under the Headset button.
  - Touch **Headset** again to de-activate the Bluetooth headset. The green line disappears when the Headset is not activated.
- Touch **Menu** for more options:
  - **Contacts**: Go to your Contact list.
  - **S Note**: Write a note using the S Note app.
  - **Message**: Write a message during a call.
  - **One-handed operation on**: Activate one-handed operation. For more information, refer to *"One-Handed Operation"* on page 195.

Personalizing the Call Sound Setting

During a call, it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. From the call screen, touch to enable the feature. displays when the feature is enabled.
2. Select an available option. Choose from: Off, Soft sound, Clear sound, Adapt Sound Left, and Adapt Sound right.

Activating Noise Reduction

During a call it may be necessary to activate the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise. Noise reduction in on by default.

1. To turn **Noise reduction off**, touch .
2. To turn **Noise reduction on**, touch .

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress, if your network supports this service.

1. While on a call, touch Hold **Hold**. This action places the current caller on hold.
2. To reactivate this call, touch Unhold **Unhold**.

Making a New Call During a Call in Progress

To make a new call while you have a call in progress:

1. Touch Hold **Hold**.
2. Touch Add call **Add call** to display the dialer.
3. Enter the new number and touch **Call**.

   Once connected, the active call appears in a large box at the top of your screen and the call on hold appears in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Touch **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call appears in a green box.
2. Touch End call **End call** to end the currently active call.

Ending a Specific Call

To end a specific call:

1. Touch **Swap** until the call you want to end appears in a green box.
2. Touch End call **End call** to end the specific call.
3. Touch End call **End call** to end the remaining call.

Answering a Call During a Call in Progress

You can answer another call while you have a call in progress, if you have activated the Call waiting feature. Otherwise, the other call goes to your Voicemail box. For more information, refer to *"Additional Settings"* on page 188.

To answer another call:

1. Touch and slide to the right.
2. Touch **Putting "Name/Number" on hold** to put the first call on hold.

   – or –

   Touch **Ending call with "Name/Number"** to end the first call.
3. To switch between the two calls, touch **Swap**.

   Swap places the current call on hold and then activates the previous call. The active call appears in a green box.
4. Touch Swap again to switch back.

Ending a Call On Hold

To end a call on hold:

1. Touch **End call** to disconnect the active call.

   The call on hold becomes the active call.
2. Touch **End call** to end the remaining call.

3-Way Calling (Multi-Party Calling)

Use the 3-Way or Multi-Party feature to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. To answer the call, touch and slide to the right.
2. To answer the next call, touch and slide to the right.
3. Touch **Putting "Name/Number" on hold** to put the first call on hold.
4. To join the first two callers into a single multi-party call, touch **Merge**.
5. To temporarily leave the conference call, touch **Hold**.

   To rejoin the conference call, touch Unhold **Unhold**.
6. Touch **End call** to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Touch **Speaker**.

   The **Speaker** button now appears as and the speakerphone is activated.
2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, touch **Speaker**.

Important! For more information, see *"Responsible Listening"* on page 233.

Switching Off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You want to say something to someone in the room, but do not want the person on the phone to hear what you say.

Muting Your Phone During a Call

To mute your phone during a call:

1. Touch **Mute**.

   The **Mute** button now appears as and Mute is activated.

2. Touch **Mute** to deactivate the Mute function and reactivate the microphone.

Bluetooth Headset

1. Touch **Headset**.
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

   The **Headset** button now appears as and the Bluetooth headset is activated.

3. Touch **Headset** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During an active call, touch **Menu** then touch **Contacts**.
2. Touch the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 63.

Call Waiting

The Call Waiting feature can be used to answer an incoming call while you have a call in progress, if this service is supported by the network.

To activate the Call Waiting feature:

- Touch **Phone** ➔ **Menu** ➔ **Call settings** ➔ **Additional settings** ➔ **Call waiting**.

  You are notified of an incoming call by a call waiting tone.

Using Fixed Dialing Numbers

Turn On FDN

To turn on FDN:

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Touch **Turn on FDN**.
3. At the prompt, enter your PIN2 code and touch **OK**.

   FDN is turned on.

Turn Off FDN

To turn off FDN after it has been turned on:

1. Touch **Turn off FDN**.
2. At the prompt, enter your PIN2 code and touch **OK**.

   FDN is turned off.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Touch **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Touch **FDN list**.
3. A list of all existing FDN numbers displays.

Call Settings

To access the Call settings menu:

- Touch **Phone** ➔ **Menu** ➔ **Call settings**.

  – or –

- From a Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Call**.

For detailed information on all of the call settings, see *"Call"* on page 186.

Section 5: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- AT&T Messages
- ChatON
- Google+ Messages
- Hangouts

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as photo, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received. For more information, refer to *"Indicator Icons"* on page 35.

Creating and Sending Messages

1. From a Home screen, touch **Messaging**.

   – or –

   From a Home screen, touch **Apps** ➔ **Messaging**
2. Touch **Compose**.
3. Touch the **Enter recipient** field to manually enter a recipient or touch to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Logs.
4. If adding a recipient from your Contacts, touch the contact to place a check mark then touch **Done**.

   The contact is placed in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

Note: Enter additional recipients by separating each entry with a semicolon (;) then repeating Steps 3 and 4 of this procedure.

5. Touch the **Enter message** field and use the on-screen keyboard to enter a message.
6. To add more recipients, touch the recipient field.
7. Review your message and touch **Send**.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Adding Attachments to a Message

To add an attachment to your message, touch **Attach** and select one of the options: Image, Take a picture, and so on.

Message Options

Options Before Composing a Message

1. Touch **Messaging**.
2. Before composing a message, touch **Menu** to reveal additional messaging options:
   - **Search**: Search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window then touch on the keyboard.
   - **Delete threads**: Delete any message thread. Select the messages to delete and a green check mark appears next to the message. Touch **Delete**.
   - **Draft messages**: Display the draft messages folder and its contents.
   - **Locked messages**: Display the locked messages folder and its contents.
   - **Scheduled messages**: Display the scheduled messages folder and its contents.
   - **Spam messages**: Display the spam messages folder and its contents.
   - **Settings**: Access Messaging settings. For more information, refer to *"Messaging Settings"* on page 95.

Options While Composing a Message

- While composing a message, touch **Menu** to reveal additional messaging options.

Note: Available options will slightly differ between new messages and messages composed within a thread.

- **Insert smiley**: Add emoticons, such as a happy face, to your message.
- **Add text**: Copy text from your contacts, calendar, or from a memo to add to your message. This is a convenient feature for adding names, phone numbers, events, and so on, to your message.

- **Add to contacts**: Add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.
- **View contact**: See information on the recipient. This option only appears if the recipient is in your Contacts list.
- **Add slide**: Add a new page to a message.
- **Remove slide**: Remove a recently added page from a message.
- **Scheduling**: Assign the current message for scheduled delivery at a designated time.
- **Discard**: Delete the current message.

Viewing New Received Messages

When you receive a new message, the new message icon displays at the top of the screen.

To view a received message:

- Open the Notification Panel and select the message. For more information, refer to *"Notification Bar"* on page 33.

  – or –

  Touch **Messaging** and then touch the new message to view it.

  The selected message displays.

To play a multimedia message:

1. Touch .
2. To pause playback of the multimedia message, touch .

To scroll through the message (if additional text pages have been added):

- Touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and photo messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To access message thread options:

- From the main Messaging screen, touch and hold the message to display the following options:
  - **Delete**: Display a confirmation dialog box that when pressed, deletes the entire thread.
  - **View contact**: Display the contact's information. This option only displays if the sender is in your Contacts list.
  - **Add to contacts**: Display the Contacts information screen. This option only displays if the sender is not in your Contacts list.
  - **Add to spam numbers**: Add the current sender to a spam list. Any new texts from this sender are automatically blocked.
  - **Remove from spam numbers**: Remove a number from the spam number list. This option only appears if the number was previously registered as spam.

To access additional Bubble options:

- Touch and hold the message bubble within an active message conversation to display the following options:
  - **Delete**: Delete any currently selected message bubble from the thread.
  - **Copy text**: Copy the currently selected message bubble from the thread.
  - **Forward**: Forward the currently selected message bubble to an external recipient.
  - **Lock/Unlock**: Lock or unlock the currently selected message bubble from being accidentally deleted.
  - **Copy to SIM**: Copy the currently selected message bubble as a single text message within the SIM card.
  - **View message details**: Display details for the currently selected message bubble.

Deleting Messages

To delete a single message thread:

1. Touch **Messaging**.
2. Touch and hold a message, then touch **Delete**.
3. At the **Delete** prompt, touch **OK** to delete or **Cancel** to cancel.

To delete multiple message threads:

1. Touch **Messaging**.
2. Touch **Menu** ➔ **Delete threads**.
3. Touch each message you want to delete or touch **Select all**.

   A check mark displays beside each message you select.
4. Touch **Delete**.
5. At the **Delete all** prompt, touch **OK** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. Touch **Messaging**.
2. Touch **Menu** ➔ **Search**.
3. Use the on-screen keyboard to enter a word or phrase to search for, then touch on the keyboard.
4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. Touch **Messaging** ➔ **Menu** ➔ **Settings**.

   General settings, Text message (SMS) settings, Multimedia message (MMS) settings, Display, Push message settings, Cell Broadcast (CB) settings, Notification settings, Signature settings, and Spam message settings are listed.

2. Options are described on the screen.

   Touch the check box to create a check mark , which indicates that an option is enabled. Checking some options causes other options to become available to set.

   Touch to set some options.

   Touch other options, such as Emergency alerts, to display additional instructions for setting the option.

3. Touch **Menu** ➔ **Restore default settings** to restore all Messaging settings to their original state.

Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

To access the Email app:

- From the main Home screen, touch **Email**.

  – or –

  From a Home screen, touch **Apps** ➔ **Email**.

Creating an Email Account

To create your first email account:

1. Touch **Email**.

   The Set up email screen displays.

2. Enter your email address in the email address field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, touch **Show password** to create a check mark.
5. Touch **Next** or touch **Done** on the keyboard.

   The Account options screen displays.

6. Review and configure the settings.
7. Touch **Next**.
8. Enter a name for this email account (optional).
9. Touch **Done**.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. Touch **Email**.

   The Set up email screen displays.
2. Enter your email address and password.
3. Touch **Manual setup**.
4. Touch the **Microsoft Exchange ActiveSync** field.
5. Enter all the Exchange server information, Domain, User name and Password, then touch **Next**.
6. At the **Activation** prompt, touch **OK**.

   The **Account options** screen displays.
7. Enter the desired information in the different fields, then touch **Next**.
8. Enter an Account name for this account (Optional) and touch **Done**.

   Wait for the Inbox to synchronize before use.
9. Touch **Menu** ➔ **Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. Touch **Email**.

   Your Email screen displays showing your emails from the active account.
2. Touch **Menu** ➔ **Settings**.
3. Touch **Add account**.
4. Enter the information required to set up another account.

   Touch **Send email from this account by default**, if you want to enable the option. Touch the check box to create a check mark.

   For more information, refer to *"Creating an Email Account"* on page 96.

Switching Between Email Accounts

1. Touch **Email**.

   Your Email screen displays showing your emails from the active account.

2. Touch **Inbox** at the top of the screen.

   Your Email accounts screen displays.

3. Touch the Email account **Inbox** you would like to make active.

   – or –

   Touch **Combined inbox** to display email messages from all accounts.

   The new Email account inbox or Combined inbox displays.

Syncing Email Accounts

Syncing refreshes your phone with the account's servers. When you set up an email account, you can choose whether the account syncs in the background or manually.

- Touch **Email** ➔ **Refresh**.

Gmail

Send and receive email with Gmail, which is Google's web-based email.

To access Gmail:

- From a Home screen, touch **Apps** ➔ **Gmail**.

Setting Up Your Gmail Account

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account, if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 17.
2. Touch **Gmail**.
3. Follow the on-screen instructions.

   The Inbox loads conversations and email.

Refreshing Your Gmail Account

Refresh your account to update your device from the Gmail servers.

1. Touch **Gmail**.
2. Touch **Menu** ➔ **Refresh**.

Gmail Settings

Use the Gmail Settings to configure your Gmail preferences.

1. Touch **Gmail**.
2. Touch **Menu** ➔ **Settings** for settings.

Tip: Touch **Menu** ➔ **Help** for more information.

Composing and Sending Gmail

1. Touch **Gmail**.
2. Touch **Compose**, then touch fields to compose the message.

   While composing a message, touch **Menu** for options.
3. Touch **SEND** to send this message

   – or –

   Touch **Menu** ➔ **Save draft** to save a draft of this message.

Messages

AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

1. From a Home screen, touch **Apps** ➔ **Messages**.
2. Sign in to your Google account, if you are not already signed in. For more information, refer to *"Setting Up Your Gmail Account"* on page 98.

Note: The first time you use the Messages app, touch **Update AT&T Messages** to download the updated application from the Play Store. When the Play Store page displays, touch **UPDATE** ➔ **ACCEPT** ➔ **OPEN**. For more information, refer to *"Play Store"* on page 160.

3. Follow the on-screen instructions to use the Messages app.

ChatON

Provides a global mobile communication service where you can chat with more than two buddies in a group chat. Share things such as photos, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

Important! The Samsung account manages the access information (username/password) to several applications, such as ChatON and Samsung Hub. For more information, refer to *"Signing In to Your Samsung Account"* on page 205.

1. Sign in to your Google account. For more information, refer to *"Setting Up Your Gmail Account"* on page 98.
2. From a Home screen, touch **Apps** ➔ **ChatON**.
3. Touch **Samsung account** and sign in to your Samsung account.

Note: The first time you use the ChatON app, an Upgrade notification pop-up displays. Touch **OK** to download the updated application from the Play Store. When the Play Store page displays, touch **UPDATE** ➔ **CONTINUE** ➔ **OPEN**. For more information, refer to *"Play Store"* on page 160.

4. Touch **Get started**.

   The main ChatON screen displays.
5. Touch **Menu** ➔ **Settings** to configure your ChatON preferences.
6. Touch **Menu** ➔ **Support** ➔ **Help** to display additional help information.

   – or –

   Visit: web.samsungchaton.com for more information.

Google+

Stay connected and share life as it happens with Google+ on your device. Join a Hangout, post a photo, or see what friends are sharing while you are on the go.

1. Sign in to your Google account. For more information, refer to *"Setting Up Your Gmail Account"* on page 98.
2. From a Home screen, touch **Apps** ➔ **Google+**.
3. Follow the on-screen instructions to use Google+.
4. Touch **Menu** ➔ **Settings** to configure your Google+ preferences.
5. Touch **Menu** ➔ **Help** to display additional help information.

   – or –

   Visit www.google.com/mobile/+/ for more information.

Hangouts

Hangouts is a free, web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

Note: The first time you use Hangouts, you will need to download the updated application from the Play Store. When the Play Store page displays, touch **Update**. For more information, refer to *"Play Store"* on page 160.

1. Log on to your Google account, if you have not already done so. For more information, refer to *"Setting Up Your Gmail Account"* on page 98.
2. From a Home screen, touch **Apps** ➔ **Hangouts**.
3. The first time you access Hangouts, touch **Confirm** to confirm your mobile number. If the number is not correct, touch **Edit Number** to change it.
4. Begin using Hangouts.
5. Touch **Menu** ➔ **Help** for more information on using Hangouts.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Samsung Hub, Music, Google Play Music, Video, Play Movies & TV, Gallery, Camera, and Camcorder.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

Note: Samsung Hub usage is based on service availability.

Important! You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file. The internal memory acts as a storage location for your downloaded rental or purchase.

Accessing Samsung Hub

To access Samsung Hub:

1. From a Home screen, touch **Apps** ➔ **Samsung Hub**.
2. Select Music, Video, Books, or Games from the Samsung Hub screen.
3. Follow the on-screen instructions to browse, view, or purchase media.
4. Touch **Menu** ➔ **Help** for more information.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or “the service”) that are also registered to the same account.

- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
  - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
  - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (for example, if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output.

Music

Music is an application that can play music files. Music supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launch Music to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From a Home screen, touch **Apps** ➔ **Music**.
2. Touch a library category at the top of the screen (Songs, Playlists, Albums, Artists, or Folders) to view the available music files.
3. Scroll through the list of songs and touch an entry to begin playback.
4. The following Music controls are available:

Streams the current music file to another device via Samsung Link.

Volume control and SoundAlive.

Volume control showing volume muted.

Shuffles the current list of songs randomly.

Songs play in order and are not shuffled.

Assign the current song as a Favorite.

Plays the entire song list once.

Replays the current list when the list ends.

Repeats the currently playing song.

Displays the current song in the player window.

Touch and hold to rewind the song. Touch to go to previous song.

Pause the song.

Start the song after pausing.

Touch and hold to fast-forward the song. Touch to go to next song.

Lists the current playlist songs.

Music Options

To access additional options, follow these steps:

1. Touch **Music**.
2. Touch **Menu**.

   The follow options are available before you play music:

Note: The following options may or may not appear depending on whether or not music is actually playing. Also, options will be different if the song you are listening to is in a playlist.

- **Add to playlist**: Add the current music file to a selected playlist.
- **Via Bluetooth**: Scan for devices and pair with a Bluetooth headset.
- **Delete**: Delete the music file.
- **Search**: Search your device for a certain song.
- **Scan for nearby devices**: Scan for nearby devices in order to share music.
- **Settings**: Change your Music settings. For more information, refer to *"Music Settings"* on page 106.
- **End**: End the Music app.

Music Settings

The Music Settings menu allows you to set preferences for the Music app such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. Touch **Music**.
2. Touch **Menu** ➔ **Settings**.
3. Select one of the following settings:
   - **Music menu**: Select which categories you want to display. Touch each item that you want to display in the Music menu.
   - **SoundAlive**: Set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, and so on.
   - **Play speed**: Set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music auto off**: When activated, music will automatically turn off after a set interval.
   - **Lyrics**: When activated, displays lyrics when available.
   - **Smart volume**: Automatically adjusts each track's volume to an equal level.
   - **Voice control**: Use voice commands to control the Music app.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. Touch **Music**.
2. Touch the **Playlists** tab.
3. Touch **Menu** ➔ **Create playlist**.
4. Type a name for this playlist in the field and touch **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. Touch **Music**.
2. Touch the **Playlists** tab.
3. Touch the playlist name to which you want to add music.
4. Touch **Add music**.
5. Touch the checkbox to the left of each track you want to add to this playlist. Touch **Select all** to add all the music tracks to this playlist
6. Touch **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. Touch **Music**.
2. Touch the **Playlists** tab.
3. Touch the playlist name from which you want to delete music.
4. Touch **Menu** ➔ **Remove**.
5. Touch the checkbox to the left of each track you want to remove from this playlist. Touch **Select all** to remove all the music tracks from this playlist
6. Touch **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. Touch **Music**.
2. Touch **Playlists**.
3. Touch **Menu** ➔ **Edit title**.
4. Touch a playlist name to edit.
5. Enter a new name for the playlist then touch **OK**.

For information on downloading music for your phone, see *"Play Music"* on page 160.

Google Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From a Home screen, touch **Apps** ➔ **Play Music**.
2. Follow the on-screen instructions to locate and play music.
3. To configure Play Music settings, touch **Menu** ➔ **Settings**.
4. For more information, touch **Menu** ➔ **Help**.

Video

The Video application plays video files stored on your phone or microSD card.

1. From a Home screen, touch **Apps** ➔ **Video**.
   All videos that you have on your phone and memory card display.
2. Touch the video that you want to play.
   The video will begin to play.
3. The following video controls are available:

Streams the current music file to another device via Samsung Link.

Volume control.

Volume control showing volume muted.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Original size view. The video will be played in its original size.

Stretch to fit. The video is enlarged to fit the screen without becoming distorted.

Touch and hold to rewind the video. Touch to go to previous video.

Pause the video.

Start the video after being paused.

Touch and hold to fast-forward the video. Touch to go to next video.

Play a video as a small pop-up while viewing another screen. Touch and drag the pop-up video to the desired location on the screen. Double-tap the pop-up to return to full screen mode.

Note: The screen view icons are a four-way toggle. The icon that is displayed, is the mode that will display after the icon is touched.

For more information on downloading videos for your phone, see *"Samsung Hub"* on page 102.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time.

1. From a Home screen, touch **Apps** ➔ **Play Movies & TV**.
2. Log on to your Google account, if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies and TV shows.
4. To configure Play Movies & TV settings, touch **Menu** ➔ **Settings**.
5. For more information, touch **Menu** ➔ **Help**.

Gallery

The Gallery can be used to view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a photo message.

To access the Gallery:

1. From a Home screen, touch **Apps** ➔ **Gallery**.
   All of the Albums that hold your photos and videos display with folder name and number of files.
2. Touch an Album.
   Thumbnails of the contents display.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My Files** or another file management application and try again. For more information, refer to *"My Files"* on page 155.

Viewing Photos

To view photos:

1. Touch a thumbnail to view a single photo.

Note: If no control icons are displayed on the screen in addition to the photo, touch anywhere on the screen to display them.

2. The following options are available at the top of the screen:

Change player: Select a DLNA-enabled device.

Share via: Share the photo by using ChatON, Group Play, AT&T Locker, Bluetooth, Drive, Email, and so on.

Delete: Delete the photo.

Camera: Activate the camera.

3. Touch **Menu** for additional options.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for photos that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the photo.

1. From a Home screen, touch **Apps** ➔ **Gallery**.
2. Select a folder location and touch a file to open it.
3. With the image displayed, touch **Menu** ➔ **Edit** to launch the Photo Editor or Paper Artist.
4. Touch **Photo Editor** and download the app, if necessary.
5. Select an image area by touching and holding the image and then selecting an available option:
   - **Selection mode**: Provides several on-screen selection options such as: Select area, Inverse selection, Selection size, and Selection mode (Magnetic, Lasso, Brush, Round, and Square).
   - **Clipboard**: Copy the currently selected area to your device's clipboard.
   - **Select all**: Select the entire area of the current image.
6. Use the following editor controls to edit your photo:

Undo: Undo the last operation made on a photo.

Redo: Redo the last operation made to a photo after performing an Undo.

Transform: Touch to display the following options:

Rotate: Rotate a photo in all four directions. You can also mirror image a photo.

Crop: Crop (cut-out) an area of a photo.

Color: Auto adjust color, Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue of a photo.

Effects: Add various effects to your photo.

Decoration: Touch to display the following options:

Frame: Places a pre-created border style on top of your current image.

Sticker: Place various pre-created on-screen stickers atop your current image.

Multi-grid: Split the photo into 2, 3, or 4 parts.

Drawing: Draw directly on your current photo by using either a brush/pen or eraser.

7. Touch **Menu** to access the following options:
   - **Save as**: Rename your current image and save it to your gallery.
   - **Select image**: Select a new image for editing.
   - **Take picture**: Activate the camera and take a new photo for editing.
   - **Share via**: Share your saved photo by using AT&T Locker, Bluetooth, ChatON, Drive, Email, and so on.
   - **Set as**: Assign the currently saved image as either a Contact photo, Home and lock screens, Home screen, or Lock screen.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the photo, touch anywhere on the screen to display them.

1. Touch a video to select it.
2. Touch to play the video.
3. Touch **Menu** for additional options.

For video player controls, see *"Video"* on page 108.

Using S Beam to Share Photos

When this feature is activated with NFC, you can beam large files directly to another compatible device that is in direct contact. For example, these large files can be Videos or HD photos. You can beam images and videos from your gallery, music files from your Music, and more.

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **NFC**.
2. If not already active, touch the **OFF/ON** button to turn NFC ON ON.
3. Touch **S Beam** and make sure the feature is turned on.

4. If not already active, touch the **OFF/ON** button to turn S Beam ON .
5. On the source device, which contains the desired image or video, touch **Apps** ➔ **Gallery**.
6. Locate and touch the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

7. Place the two active NFC-enabled devices back to back to begin.

   Note: If the **Touch to beam** screen does not display on the source device:

   - Pull them apart.
   - Verify the image is visible in the preview window on the source device (providing the file).
   - Place them together again.

8. From the **Touch to beam** screen, touch the reduced image preview to begin the transfer.
9. When prompted, separate the two devices.

   After a few seconds (depending on file size), the transferred file will display on the recipient's screen.

Sharing Multiple Photos with S Beam

To share multiple photos with S Beam:

1. On the source device (containing the desired image or video), touch **Apps** ➔ **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and place a check mark on it and all desired images.
4. Place the two active NFC-enabled devices back to back to begin.
5. From the **Touch to beam** screen, touch the reduced image preview to begin the transfer.
6. When prompted, separate the two devices.
7. The photos are transferred to the other device.

Camera

This section explains features related to the use of the camera and camcorder on your phone. You can take photographs and record video by using the built-in camera functionality. Your 8 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Taking Photos

Taking photos with your device's built-in camera is as simple as choosing a subject, pointing the camera, then touching the Camera button.

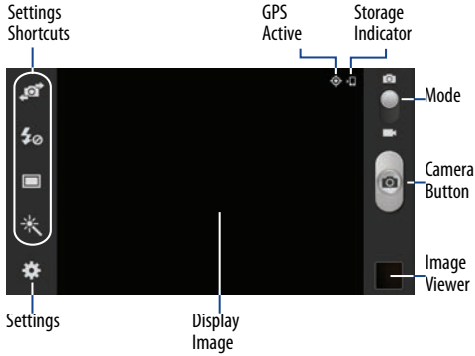
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From a Home screen, touch **Apps** ➔ **Camera** to activate the camera mode.
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a photo, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the photo up to four times (400 percent).

   – or –

   Use two fingers to make an inward pinch motion on the screen to zoom out or an outward motion by sweeping your fingers out to zoom in.

4. If desired, before taking the photo, you can touch on-screen icons to access various camera options and settings.
5. You can also touch the screen to move the focus to the area you touch.
6. Touch the Camera button ( ) until the shutter sounds. The photo is automatically stored within your designated storage location. If no microSD is installed, all photos are stored on the Phone. For more information, refer to *"Configuring Camera Settings"* on page 116.



7. While viewing a photo, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.
   You can magnify the photo up to four times (400 percent).
8. Touch **Back** to return to the viewfinder.

Camera Settings

Before you start taking photos, use the camera settings to configure the camera for best results. Camera settings are represented by icons on the left side of the screen.

Editing Camera Settings Shortcuts

The first five icons are actually shortcuts to camera settings. These five shortcuts can be customized to fit your preference.

Self-portrait, **Flash**, **Shooting mode**, and **Effects** are default settings shortcuts.

To customize these shortcuts:

1. Touch **Settings** ➔ **Edit shortcuts**.

   – or –

   Touch and hold any of the shortcut icons to edit them.

2. Touch and hold a setting, then drag and drop it on one of the five settings shortcuts to the left. The replaced setting shortcut displays in the edit list.

Configuring Camera Settings

To configure Camera settings:

- While in Camera mode, touch a settings shortcut or touch **Settings** to configure the following camera settings:
  - **Edit shortcuts**: Customize your settings shortcuts. For more information, refer to *"Editing Camera Settings Shortcuts"* on page 116.
  - **Use the volume key as**: Use the volume key as a zoom key or as the camera key.
  - **Burst shot**: Take eight photographs in quick succession, and you can select and save the best.
  - **GPS tag**: Turn GPS On or Off (also known as Geotagging). The location of where the photo is taken is attached to the photo. Before you can use the GPS tag (Geotagging), from a Home screen touch **Menu** ➔ **Settings** ➔ **More** ➔ **Location services** and touch **Use GPS satellites** to create a check mark.

- **Self-portrait**: Set the front camera so you can take photos of yourself.
- **Flash**: Set the flash options to Off, On, or Auto flash.
- **Shooting mode**: Set the shooting mode.
- **Effects**: Change the color tone or apply special effects to the photo.
- **Scene mode**: Set the Scene to help take the best photos possible.
- **Exposure value**: Adjust the brightness level by moving the slider.
- **Focus mode**: Set this option to Auto focus or Macro. Use Macro mode to take close-up photos.
- **Timer**: Set a timer for how long to wait before taking a photo.
- **Resolution**: Choose a size for the photo.
- **White balance**: Set the light source.
- **ISO**: ISO determines how sensitive the light meter is on your digital camera. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- **Metering**: Select a method for measuring light.
- **Auto contrast**: Get a clear image even under backlight circumstances where intensity of illumination can vary excessively.
- **Guidelines**: Turn the guidelines On or Off.
- **Auto share shot**: Easily connect to the devices you want to share photos with and then bring the devices back together (back to back) to connect them.
- **Anti-shake**: Reduce image blur due to the movement of the subject of the photo or hand movement.

- **Shutter sound**: Set the Shutter sound to On or Off.
- **Contextual filename**: Add your location as part of the filename. You must first activate GPS tag described above.
- **Voice control**: Take photos using your voice. You can use words such as Capture, Shoot, Smile, and Cheese.
- **Save as flipped**: When set to On, you can take and save a mirror-image photo.
- **Image quality**: Choose a quality setting for photos.
- **Storage**: Configure the default storage location for images or videos as either Device or Memory card (if inserted).
- **Reset**: Reset all camera settings to the default values.

Viewing Your Photos

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 110.

Camcorder

Use your device's built-in Camcorder to record high-definition video in 1080p resolution.

1. Touch **Camera**.
2. Slide the **Mode** button to the **Camcorder** setting.

   The Camcorder screen displays.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Recording Videos

Tip: When recording video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From a Home screen, touch **Apps** ➔ **Camera** to activate the camera mode.
2. Touch and drag the **Mode** button to the **Camcorder** setting.
3. Touch the Recording mode that you prefer. Select between Normal, Limit for MMS, Slow motion, or Fast motion.
4. Using the phone's main display screen as a viewfinder, adjust the image by aiming the Camcorder at the subject.
5. Before you take a video, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the video up to four times (400 percent).

   – or –

   Use two fingers to make an inward pinch motion on the screen to zoom out or an outward motion by sweeping your fingers out to zoom in.
6. To start recording, touch **Record**.

   During recording, the **Recording Indicator** flashes.
7. To capture an image from the video while recording, touch . This feature is not available when the anti-shake feature is activated.
8. To pause recording, touch **Pause.**
9. To stop recording, touch **Stop** to stop the recording and save the video file to your Camera folder.
10. Once the file has been saved, touch the image viewer, then touch to play your video for review.

11. Touch **Back** to return to the viewer.

Important! Do not take videos of people without their permission.
Do not take videos in places where cameras are not allowed.
Do not take videos in places where you may interfere with another person's privacy.

Camcorder Settings

Before you start taking videos, use the camcorder settings to configure the camcorder for best results. Camcorder settings are represented by icons on the left side of the screen.

Editing Camcorder Settings Shortcuts

As with the camera, the first five icons are actually shortcuts to camcorder settings. These five shortcuts can be customized to fit your preference.

Self-recording, **Flash,** **Recording mode**, and **Effects** are default settings shortcuts.

To customize these shortcuts, see *"Editing Camera Settings Shortcuts"* on page 116.

Configuring Camcorder Settings

To configure Camcorder settings:

- While in Camcorder mode, touch a settings shortcut or touch **Settings** to configure the following Camcorder settings:
  - **Edit shortcuts**: Customize your settings shortcuts. For more information, refer to *"Editing Camera Settings Shortcuts"* on page 116.
  - **Use the volume key as**: Use the volume key as a zoom key or as the camera key.
  - **GPS tag**: Turn GPS On or Off. For more information, refer to *"Configuring Camera Settings"* on page 116.
  - **Self-recording**: Set the front camera so you can take videos of yourself or video chat.
  - **Flash**: Set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

- **Recording mode**: Set the recording mode to: Normal, which is limited only by available space on the destination location; Limit for MMS, which is limited by MMS size restrictions; Slow motion, which records in slow motion; and Fast motion, which records in fast motion.
- **Effects**: Apply an effect to videos.
- **Exposure value**: Adjust the brightness level by moving the slider.
- **Timer**: Set a timer for how long to wait before taking a video.
- **Resolution**: Set a size for the video.
- **White balance**: Set the light source.
- **Guidelines**: Turn the guidelines On or Off.
- **Anti-shake**: Reduce image blur due to the movement of the subject of the photo or hand movement.
- **Contextual filename**: Add your location as part of the filename. You must first activate GPS tag described above.
- **Save as flipped**: When set to On, you can take and save a mirror-image video when using self-recording mode.
- **Video quality**: Choose a quality setting for videos.
- **Storage**: Configure the default storage location for images or videos as either Device or Memory card (if inserted).
- **Reset**: Reset all Camcorder settings to the default values.

Viewing Your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 110. Also, see *"Video"* on page 108.

Section 7: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet

The Internet app is your access to the mobile web. This section explains how to navigate the Internet app and introduces you to the basic features.

To access the Internet app:

- From a Home screen, touch **Internet**.

  – or –

  From a Home screen, touch **Apps** ➔ **Internet**.

  The AT&T/YAHOO! mobile homepage displays.

Navigating with the Internet App

1. To select an item, touch an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to a previous page, touch .
5. To move forward to a web page, touch .

Zooming In and Out of the Browser

There are several ways to Zoom in and out on your browser. After touching on a link or article, use one of these methods:

- **Tilting**: Touch and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *"Motion"* on page 200.
- **Double tap**: Quickly tap the screen twice on the web page to zoom in or out.
- **Pinching**: Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Internet Options

- From any web page, touch **Menu** to access your browser options.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Touch the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keyboard.

   The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. Touch the Search bar at the top of the browser.
2. Enter a search word or phrase using the on-screen keyboard and touch Go.
3. Touch a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, touch **Menu** ➔ **New window**.

   A new browser window is opened.
2. Touch **Windows** to see thumbnails of all open windows.
3. Touch a window listing to open up that Internet window.
4. Touch at the top right corner of the web page thumbnail to delete the window.

Going Incognito

Use the Incognito feature to view Internet sites outside of normal browsing. Pages viewed in this incognito window do not appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, touch **Windows** ➔ **Incognito page**.
2. A new browser window displays.

Note: The incognito icon appears in the upper-left of the new browser window while you are in this mode.

To exit from the incognito window:

1. From your browser window, touch **Windows**.
2. Scroll across the available windows and locate the incognito window. The Incognito icon appears on the bottom of the browser window while you are in this mode.
3. Touch next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, touch (**Bookmarks**). The Bookmarks page displays.
2. Touch **Menu** to display the Bookmark options.

Wi-Fi

About Wi-Fi

Wi-Fi (short for “wireless fidelity” and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device’s Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Wi-Fi**.
2. Touch the **OFF/ON** button to turn Wi-Fi ON .

Connect to a Wi-Fi Network

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Wi-Fi**.

   The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Touch the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password, if necessary.

Manually Add a New Network Connection

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Wi-Fi**.
2. Touch **Add Wi-Fi network**.
3. Enter the **Network SSID**. This is the name of your Wireless Access Point.
4. Touch the **Security** field and select a security option. This must match the current security setting on your target WAP.
5. If secured, you will also need to enter your WAP's password.
6. Touch **Show advanced options**, if you need to add advanced options such as Proxy settings, IP settings, or Key management.
7. Touch **Connect** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Wi-Fi**.
2. Touch the **OFF/ON** button to turn Wi-Fi OFF

.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Wi-Fi**.
2. Touch **Scan**.

   All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available, but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 128.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu can be used to set up many of your device's advanced Wi-Fi services.

To access the Advanced Wi-Fi menu:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Wi-Fi**.
2. Touch **Menu** ➔ **Advanced**.

For more information, refer to *"Advanced Wi-Fi Settings"* on page 172.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Wi-Fi**.
2. Touch the **OFF/ON** button to turn Wi-Fi ON ON.
3. At the bottom of the Wi-Fi screen, touch **Wi-Fi Direct**.
4. Repeat **Steps 1 - 3** on the other device with which you want to connect.

   The steps on the other device may vary depending on the device. Refer to the documentation for that device.
5. On your phone, touch **Scan**.

   The device scans for other Wi-Fi Direct devices.
6. Once the device you want to connect to displays, touch it.
7. The other device has 2 minutes to touch **Accept** for the connection to be made.
8. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then touch the **Share, Share via,** or **Send via** option.
2. Touch the **Wi-Fi Direct** option.
3. Touch the connected device name. For example, Android_55ca.
4. Touch **Done**.

   The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My Files** ➔ **All files** ➔ **Device storage** in the **ShareViaWifi** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

AT&T Smart Wi-Fi

Use AT&T Smart Wi-Fi to maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

1. From a Home screen, touch **Apps** ➔ **AT&T Smart Wi-Fi**.
2. Read the License Agreement and touch **Accept** to continue.
3. At the Welcome screen, touch **OK**.
4. At the Initial Setting screen, touch **Yes** if you want AT&T Smart Wi-Fi to automatically connect to any hotspot that is available for public use. Otherwise, touch **No**.
5. Follow the on-screen instructions to use AT&T Wi-Fi.

For more information on how to use this application, go to www.att.com/smartwifi.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that is used to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Bluetooth**.
2. Touch the **OFF/ON** button to turn Bluetooth ON ON.

Note: When enabled, the Bluetooth icon displays in the Notifications Bar.

To turn Bluetooth off:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Bluetooth**.
2. Touch the **OFF/ON** button to turn Bluetooth OFF OFF.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating.

Bluetooth Settings

The Bluetooth settings menu is used to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices

Bluetooth Settings Menu

To access the Bluetooth Settings menu:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **Connections** ➔ **Bluetooth**.
2. Touch the **OFF/ON** button to turn Bluetooth ON ON.
3. Touch the checkbox next to **SAMSUNG-SGH-I317**, if you want your phone to be visible to other Bluetooth devices.

Change Bluetooth Name

To change your Bluetooth name:

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **About device** ➔ **Device name**.
2. Use the keyboard to modify your device name and touch **OK**.

Make Your Device Visible

To make your device visible:

1. From the Bluetooth settings screen, touch **Menu** ➔ **Visibility timeout**.
   - Making your device visible allows it to be detected by other devices for pairing and communication.
2. Select a time that you would like your device visibility to time-out.

Show Received Files

To show received files:

- From the Bluetooth settings screen, touch **Menu** ➔ **Received files**.

  A list of all files received from Bluetooth displays.

Scan for Bluetooth Devices

To scan for Bluetooth devices:

1. Verify that Bluetooth is ON

.
2. From the Bluetooth settings screen, touch **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

Use the Bluetooth pairing process to establish a trusted connection between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Touch **Scan**. Your device will display a list of discovered in-range Bluetooth devices.
3. Touch a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and touch **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a Paired Device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you want to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings screen, touch the previously paired device (from the bottom of the page).
3. Touch **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a Paired Device (Unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings screen, touch next to the previously paired device. This opens the connected device's menu options.
3. Touch **Rename** to change the name of the paired device.
4. Touch **Unpair** to delete the paired device.

Sending Contacts with Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send photos, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible.

1. Verify your Bluetooth is active.
2. From a Home screen, touch **Apps** ➔ **Contacts**.
3. Touch **Menu** ➔ **Share namecard via**.
4. Touch each contact that you would like to send via Bluetooth. A green check mark will appear next to each entry you select.
5. Touch **Done**.
6. Touch **Bluetooth**.
7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Storage: Use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies: Use Kies to manage music, movies and photos. You can also backup precious contacts and calendars, download apps and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

Note: To sync your device to a PC, it is highly recommended that you install Samsung Kies, which is available at samsung.com/us/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click **Open device to view files**.
3. Copy files from the PC to the memory card.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam. For information on NFC and NFC related features, see *"NFC"* on page 178.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more. For more information, refer to *"Android Beam"* on page 179.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more. For more information, refer to *"S Beam"* on page 179.

Section 8: Applications

This section contains a description of each application that is available on the Apps screen, its function, and how to navigate through that particular application. If the application is described in another section of this user manual, then a cross reference to that description is provided.

Managing Applications

The Apps screen displays all applications installed on your phone, including apps you download and install.

From Apps, you can change the way apps appear on the screen, uninstall apps you have downloaded, and share apps with friends. When you install new apps, new screens are added to hold them.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens, if it is not there by default. For details, see *"App Shortcuts"* on page 39.

Updating Applications

Once you have registered your device (see *"Software Update"* on page 217) and signed into your Google account (see *"Creating a New Google Account"* on page 17), you may see the **Updates Available** notification in the Notification Bar if there is a new version of one or more apps available or, when you open an application that is preloaded on your device, an **Update Available** message may be displayed.

To update the applications:

1. Touch the top of the screen and swipe downward.

   The Notification Panel displays.

2. Touch **Updates available**.

For more information, refer to *"Updates to Downloaded Apps"* on page 161.

GPS Applications

GPS applications allow you to achieve real-time, GPS-enabled, turn-by-turn navigation and to access local searches based on a variety of category parameters.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available.

Important! If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram to locate the approximate location of the internal GPS antenna.

Location of Internal Antennas

(Back view of device)

Uninstalling Apps

You can uninstall apps you download and install. Pre-loaded apps cannot be uninstalled.

1. From a Home screen, touch **Apps**.
2. Touch **Menu** → **Uninstall**.
3. Apps that can be uninstalled show on their icon. Touch , and then follow the prompts to uninstall the app. Pre-loaded apps cannot be uninstalled.

Customizing the Apps Screens

Choosing a View

By default, app icons appear in Grid view. You can change the view to list view.

1. From a Home screen, touch **Apps**.
2. Touch **Menu**, and then touch **View type**.
3. Choose an option:
   - **Customizable grid**: The default view, which allows you to touch and hold on apps to move them from screen to screen.
   - **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
   - **Alphabetical list**: Icons display in a list, sorted from A-Z.

Apps Screen Options

1. From a Home screen, touch **Apps**.
2. Touch **Menu** for these options:
   - **Play Store**: Launch Google Play Store, to browse for new apps to download.
   - **Edit**: Touch and hold an app icon then drag it to the Create folder icon to create a new folder. Drag it to the Create page icon to create a new apps screen and place the icon on it. Or drag it to App info to view information about this app.
   - **Create folder**: Create a new folder to hold the app icon.
   - **Uninstall / turn off apps**: Remove an app that you downloaded from your phone. Preloaded apps cannot be uninstalled, but some can be turned off.
   - **View type**: Configure the apps screen.
   - **Share apps**: Select apps you have downloaded (not available for pre-loaded apps) to share via Bluetooth, ChatON, Drive, Email, and so on.
   - **Show turned off apps**: Display turned off apps. Touch apps and then touch **Done** to turn apps back on and make them visible.

Accessing Applications

To access applications:

1. From a Home screen, touch **Apps**.
2. Locate the application's icon and touch it to launch the application.
3. To return to the main Home screen, press **Home**.

Note: This manual only addresses applications that have been loaded on your device as of the date of purchase. Information concerning third party applications that you may choose to download from the Google Play Store or otherwise should be obtained from the application provider directly and not from Samsung.

AT&T Code Scanner

Use AT&T Code Scanner to scan two-dimensional (QR and datamatrix codes) and one-dimensional (UPC and EAN) barcodes found in magazines, stores, and online.

1. Touch **AT&T Code Scanner**.
2. Sign into your Google Account. If you have not set up an account, see *"Creating a New Google Account"* on page 17
3. The first time you use the AT&T Code Scanner, you will need to download the updated application from the Play Store. Touch **Update AT&T Code Scanner**.
4. When the Play Store page displays, touch **UPDATE** and follow the on-screen instructions to download the app. For more information, refer to *"Play Store"* on page 160.
5. At the License screen, touch **Agree** to continue or **Disagree** to exit.
6. At the Welcome screen, follow the on-screen instructions to use the AT&T Code Scanner.
7. Touch **Menu** ➔ **Help** for additional information.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind because you can use it to conveniently locate a family member on a map from your wireless device. Plus, AT&T FamilyMap is secure and private. Only authorized users have permission to locate your family members.

Note: FamilyMap requires a paid subscription. To sign up for service, visit www.att.com/familymap for more information or contact your AT&T Customer Service Representative.

1. Sign in to your Google account, if you are not already signed in. For more information, refer to *"Creating a New Google Account"* on page 17.
2. Touch **AT&T FamilyMap**.
   The AT&T FamilyMap screen displays.
3. Touch **Get FamilyMap** to update the software.
4. Touch **UPDATE** on the Play Store AT&T FamilyMap screen, and then touch **ACCEPT**.
   The AT&T FamilyMap app is downloaded and installed.
5. At the AT&T FamilyMap Sign In screen, touch **Get Started** to create an account.
   – or –
   Touch **Sign In** if you already have an account.
6. Follow the on-screen instructions.

AT&T Locker

AT&T Locker stores, shares and syncs all of your photos, videos, and documents in one safe, convenient place – the AT&T cloud.

1. Sign in to your Google account, if you are not already signed in. For more information, refer to *"Creating a New Google Account"* on page 17.
2. Touch **AT&T Locker**.
3. At the AT&T Locker home screen, touch **Sign Up** to create an account.
   – or –
   Touch **Log In** if you already have an account.
4. Follow the on-screen instructions to use AT&T Locker.

AT&T Navigator

AT&T Navigator provides access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Important! You must have a data plan to use this feature.

Note: These services require the purchase of a subscription.

To launch the AT&T Navigator application, follow these steps:

1. Touch **AT&T Navigator**.
   The AT&T Navigator screen displays from the Play Store.
2. Touch **UPDATE** on the Play Store AT&T Navigator screen, and then touch **ACCEPT**.
   The AT&T Navigator app is downloaded and installed.
3. When the app successfully downloads, touch **OPEN**.
   – or –
   Touch **Back** to return to the Apps screen.

Using AT&T Navigator

1. When you open AT&T Navigator, the Terms of Service screen displays.
2. Touch **Terms and Conditions**, read the End User License Agreement, and then touch **I Accept**.
3. Follow the on-screen instructions.

AT&T Ready2Go

AT&T Ready2Go is used to quickly and easily set up your Google, Gmail, and email accounts, import contacts, and configure Wi-Fi.

- Touch **AT&T Ready2Go**.

For more information, refer to *"Setting Up Your Phone"* on page 15.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

- Touch **AT&T Smart Wi-Fi**.

For more information, refer to *"AT&T Smart Wi-Fi"* on page 129.

Calculator

The calculator provides the basic arithmetic functions to solve simple arithmetic problems and advanced operators to solve more complex problems. The Calculator also keeps a history of recent calculations.

1. Touch **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by touching the corresponding on-screen arithmetic function key.
4. Enter the next number.
5. To view the result, touch the **=** (equals) key.
6. Repeat Steps 3 through 5 as many times as required.
7. Touch C to clear the result.
8. To view calculator history, touch located at the top of the calculator buttons. A history of your past calculations displays. Touch again to display the calculator keypad.
9. To clear the calculator history, touch **Menu** ➔ **Clear history**.
10. For more advanced problems, rotate your device to landscape mode and use the advanced operators **sin**, **ln**, **cos**, **log**, **tan**, and so on, just as you would on a pocket calculator.
11. Touch and hold entries in the Calculator's display field to copy or cut the contents of the display.

    Copied to clipboard displays. Paste the copied value in another app.

Calendar

Your device includes a powerful Calendar to help you organize your schedules more conveniently and effectively. Learn to create and manage events and tasks, and set alarms to remind yourself of important events and tasks.

To access the Calendar:

1. Touch **Calendar**.
2. The following tabs are available on the right side of the display:
   - **Year**: Display the Year view.
   - **Month**: Display the Month view.
   - **Week**: Display the Week view.
   - **Day**: Display the Day view.
   - **List**: Display the List view.
   - **Task**: Search for tasks.
3. Touch **New** to create a new Calendar event.
4. Touch **Today** to display the current date, which is indicated by a blue box.
5. Touch **Menu** and select one of the following options:
   - **Zoom**: In the Week and Day views, touch and drag a slider to increase or decrease the size of the area being viewed.
   - **Go to**: Display a specific date.
   - **Delete**: Delete All events, All events before today, or an individual event.
   - **Search**: Search within your current events.
   - **Sync**: Synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
   - **Calendars**: Display various information such as My calendars, My task, your linked accounts, and Contact's birthdays.
   - **Settings**: Display a list of configurable settings.

Camera

Take photos and record video with your device's built in Camera.

- Touch **Camera**.

For more information, refer to *"Camera"* on page 114.

ChatON

Use ChatON to send and receive instant messages from any device that has a mobile phone number. You can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client allows the easy sharing of content and conversations between your phone and PC.

- Touch **ChatON**.

For more information, refer to *"ChatON"* on page 100.

Chrome

The Google Chrome app uses the Google Chrome web browser on your phone.

1. Touch **Chrome**.
2. Follow the on-screen instructions.

Clock

Use the Clock application to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature can be used to set an alarm to ring at a specific time.

1. Touch **Clock** → **Alarm** → **Create alarm**.

   The following options display:

   - **Time**: Touch **Up** or **Down** to set the new time for the alarm to sound. Touch **AM** or **PM**.
   - **Alarm repeat**: Set the repeating status for the alarm by touching on the days that you want the alarm to sound. Touch the **Repeat weekly** check box to have the alarm repeat weekly.

- **Alarm type**: Set the way in which the alarm sounds when activated: Melody, Vibration, Vibration and melody, or Briefing.
- **Alarm tone**: Set the sound file, which is played when the alarm is activated. Select an option or touch **Add** for additional options.
- **Alarm volume**: Drag the slider to adjust the alarm's volume.
- **Location alarm**: When activated, the alarm only sounds when you are at a specific location. Touch the **OFF/ON** button to turn it ON then follow the on-screen instructions to enter a location.
- **Snooze**: Use this option to set an Interval (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Touch the **OFF/ON** button to turn it ON to activate.
- **Smart alarm**: Tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Interval and the Tone. Touch the **OFF/ON** button to turn it ON to activate.
- **Name**: Use a specific name for the alarm. The name displays when the alarm activates.

2. Touch **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the icon to the left. Snooze must first be set in the alarm settings. For more information, refer to *"Alarm"* on page 144.

Deleting Alarms

To delete an alarm:

1. Touch **Clock** ➔ **Alarm** ➔ **Menu** ➔ **Delete**.
2. Touch the alarm or alarms you want to delete. A green check mark appears next to each selection. Touch **Select all** to delete all alarms.
3. Touch **Delete**.

World Clock

World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. Touch **Clock** ➔ **World clock**.

   A list of the locations you have added displays.
2. Touch **Add city** to add another city to the list.
3. Scroll through the list of cities to find the city you want to add or touch the Search bar and use the keyboard to enter the name of the city you want to add.

Tip: Touch the first letter of the city's name, to the right of the list, to find the city more quickly.

4. Touch the city.

   The list of your locations displays including the city just added.
5. To set Daylight Savings time, touch and hold a city, then touch **DST settings**. Select Automatic, Off, or 1 hour.

   If Daylight Savings Time is active, a sun symbol appears on the World Clock listing.

Deleting a World Clock Entry

1. Touch **Clock** ➔ **World Clock**.
2. Touch and hold a city, then touch **Delete**.

   – or –

   Touch **Menu** ➔ **Delete** to delete one or more entries.

Stopwatch

You can use this option to measure intervals of time.

1. Touch **Clock** ➔ **Stopwatch**.
2. Touch **Start** to start the stopwatch and touch **Lap** to mark a unit of time per lap.
3. Touch **Stop** to stop the stopwatch.
4. Touch **Restart** to continue or touch **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. Touch **Clock** ➔ **Timer**.
2. The **Minutes** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. Touch the **Hours** field to set hours, if desired. As you touch different fields, they will become highlighted.
4. Touch the **Seconds** field to set seconds.
5. Touch **Start** to begin the timer and touch **Stop** to pause the timer.
6. After stopping, touch **Restart** to continue or touch **Reset** to set the timer back to the original setting.

Desk Clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. Touch **Clock** ➔ **Desk clock**.
   The default Desk clock displays.
2. To display the Desk clock in full-screen mode, touch .
3. To make changes, touch **Menu** ➔ **Settings**.
   The following options are displayed while in full-screen mode:
   - **Hide status bar**: When this is checked, the status bar is hidden from view.
   - **Wallpaper**: Touch to select Desk clock wallpaper from Default, Gallery, or Same as home screen.
   - **Calendar**: Display the calendar.
   - **Weather**: Display the location, temperature, and weather conditions. Touch the **OFF/ON** button to turn it ON .
   - **Dock**: Set your Dock settings such as Dock sound, Audio output mode, Desk home screen display, and Automatic unlock.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

You can also synchronize your phone Address Book with AT&T Address Book, the network backup service.

- Touch **Contacts**.

For more information, refer to *"Contacts and Your Address Book"* on page 59.

Downloads

Use the Downloads application to manage all of your downloads from the Play Store and the Browser.

1. Touch **Downloads**.

   All of your downloads are listed.
2. Touch the **Internet downloads** tab to see all of the downloads you have made from the Browser.
3. Touch the **Other downloads** tab to see all other downloads.
4. Touch **Sort by size** to see your downloads sorted in size order.
5. Touch **Sort by date** to see your downloads sorted in time order.
6. Touch **Clear list** to remove all downloaded items.

Drive

Use the Google Drive app to open, view, rename, and share your Google Docs and files.

1. Touch **Drive**.
2. Sign in to your Google account. For more information, refer to *"Creating a New Google Account"* on page 17.

   A product tour displays the first time you access Drive.
3. Touch **Next** to view the product tour or touch **Go to Drive** to get started.

Tip: Touch **Menu** ➔ **Product Tour** to repeat the product tour at any time.

---

4. Follow the on-screen instructions to use Drive.
5. Touch **Menu** ➔ **Settings** to configure your Drive preferences.
6. Touch **Menu** ➔ **Help** to display additional help information.

Email

Send and receive email using popular email services. You can also receive message alerts when you receive an important email.

- Touch **Email**.

For more information, refer to *"Gmail"* on page 98.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. Touch **Flipboard**.
2. Touch **Tap to sign in** to sign into your previously created Flipboard account.

   – or –

   Swipe up on the Flipboard screen, and select the desired category.
3. Touch **Build Your Flipboard** to build your Flipboard.
4. Follow the on-screen instructions to use Flipboard.

G+ Photos

Automatically save every photo you take with your phone. Then it is easy to view, organize, and share them with friends and family of your choice. Turn on Auto Backup in the G+ Photos app to get started.

Great photos deserve to be shared, and G+ Photos makes it easy to share your great photos. You are in control of who sees your photos. You can choose individuals, entire circles, or email addresses. You can even get a link to send around or share on other sites.

1. Sign in to your Google account. For more information, refer to *"Creating a New Google Account"* on page 17.
2. Touch **G+ Photos**.
   The G+ Photos Highlights screen displays.
3. Follow the on-screen instructions to use G+ Photos.
4. Touch **Menu** ➔ **Settings** to configure your G+ Photos preferences.
5. Touch **Menu** ➔ **Help** to display additional help information.

Gallery

Use Gallery to view, capture, and manage photos and videos.

- Touch **Gallery**.

For more information, refer to *"Gallery"* on page 110.

Gmail

Send and receive email with Gmail, which is Google's web-based email.

- Touch **Gmail**.

For more information, refer to *"Gmail"* on page 98.

Google

Search the internet using the Google search engine.

Tip: Google Search appears by default on the main Home screen.

1. From a Home screen, touch **Google**.

   – or –

   Touch **Google**.

2. Use the keyboard to enter search criteria to display matching searches.

   – or –

   Touch and speak the search criteria slowly and clearly. Google searches for the information and displays results.

   Suggestions display below the text entry area.

3. Touch a suggestion to search for that term or touch on the keyboard to start the search.

   A browser window displays the search results.

For more information, refer to *"Google Search Bar"* on page 29.

Google Settings

Use this app to manage your Google settings.

1. Touch **Google Settings**.
2. Follow the on-screen prompts to modify your Google Settings.

Google+

Stay connected and share life as it happens with Google+ on your device. Join a Hangout, post a photo, or see what friends are sharing while you are on the go.

- Touch **Google+**.

For more information, refer to *"Google+"* on page 101.

Group Play

Using Group Play, you can share documents or photos you are viewing, or music you are listening to, with other devices connected to the same Wi-Fi network as your device.

1. Touch **Group Play**.

   The first time you access Group Play, read the Disclaimer and touch **Agree**.

   The Group Play main screen displays.

2. Touch **Create group** to create a Group Play session or touch **Join group** to join a Group Play session in progress.
3. For instructions on using Group Play, touch **Menu** ➔ **Info**.

Hangouts

Hangouts is a free web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

- Touch **Hangouts**.

For more information, refer to *"Hangouts"* on page 101.

Help

Access help information to learn how to use the device and applications or configure important settings.

- Touch **Help**.

For more information, refer to *"Help"* on page 52.

Internet

The Internet application is your access to the mobile web. Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone.

- Touch **Internet**.

For more information, refer to *"Internet"* on page 122.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have at least an active data (3G) connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From a Home screen, touch **Apps** ➔ **Settings** ➔ **More** ➔ **Location services**.
2. Touch the **Access to my location** field. A green check mark will display next to the field.

   A Location consent pop-up displays.
3. Touch **Agree**.
4. If necessary, touch the **Use GPS satellites** field. A green check mark will display next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

Using Maps

1. Touch **Maps**.

   A map will display with your location in the very center.

2. Follow the on-screen instructions to use the Maps application.

Launching Maps

- Touch **Maps**.

Maps Menu

While viewing a map:

- Touch **Menu**, in the lower left corner of the screen, for options.

To configure Maps settings:

- Touch **Menu** ➔ **Settings**.

  Follow the on-screen instructions.

For more information touch **Menu** ➔ **Help**.

Messages

The AT&T Messages app brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

- Touch **Messages**.

For more information, refer to *"Messages"* on page 99.

Messaging

You can send and receive different types of messages.

- Touch **Messaging**.

For more information, refer to *"Messaging"* on page 90.

Mobile Hotspot

Use Mobile Hotspot to share your phones's mobile data connection by way of USB or as a portable Wi-Fi hotspot.

- Touch **Mobile Hotspot**.

For more information, refer to *"Tethering and Portable Hotspot"* on page 176.

Music

Use Music Player to play music files that you have stored on your phone and memory card. You can also create playlists.

- Touch **Music**.

For more information, refer to *"Music"* on page 104.

My Files

Manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. Touch **My Files** ➔ **All files**.
2. Touch **Device storage** to see the contents of your internal SD card.

Note: Different folders may appear depending on how your phone is configured.

3. If you have an external SD card inserted, touch **SD memory card** to see the contents of your external SD card (memory card).
4. Touch a folder and scroll down or up until you locate a file.

Note: You may have to touch one or more sub-folders before you encounter files.

5. Touch a file to launch it in the associated application, if the file is associated with an application.
6. While browsing files, use these controls:

Home: Display the root directory.

Up: Display a higher directory.

Menu: Displays the following options:

- **Select all**: Mark all files or folders.
- **Create folder**: Create a new folder.
- **Search**: List files and folders that contain the keywords you enter with the on-screen keyboard.
- **View by**: Set how you want to view files and folders.
- **Sort by**: Set the order in which you want to view files and folders.
- **Settings**: Manage My Files settings.

Mark files: Touch the box to the left of each file or next to the folder to select all files in the folder. Then touch **Delete** in the Application bar to delete the selected items. Touch **selected** to **Select all** or **Unselect all**.

More options: Once files or folders are marked, touch this icon to move, copy, or rename the file or folder, or view details about the file or folder.

7. To view a photo file:
   - Touch the file.

   The Gallery app is used to open the photo. For more information, refer to *"Viewing Photos"* on page 110.
8. To view a video file:
   - Touch the file.

   The Video Player is launched and plays the video. For more information, refer to *"Video"* on page 167.

myAT&T

Use myAT&T to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Initial Setup

The first time you use myAT&T, you must download the updated application from the Play Store. For more information, refer to *"Play Store"* on page 160.

1. Touch **myAT&T**.
2. Touch **Install Now** to go to the Google Play Store.

   If you have not signed in to your Google Account, the Add a Google Account screen displays. Follow the on-screen instructions. For more information, refer to *"Creating a New Google Account"* on page 17.

After signing into your Google Account, the Play Store displays the **myAT&T** application.

3. Touch **UPDATE** ➔ **ACCEPT**.

   The updated myAT&T app downloads to your device.

4. When the app successfully downloads, touch **OPEN**.

   – or –

   Touch **Back** to return to the Apps screen.

Using myAT&T

1. When you open myAT&T, the End User License Agreement for myAT&T Application screen displays.
2. Read the agreement and touch **Accept** to continue.
3. Enter your **User ID** and **Password,** using the on-screen keyboard, and touch **Log in**.
4. Follow the on-screen instructions.

Paper Artist

Paper Artist provides access to an in-device graphics program. You can start from an empty canvas or import a photo from your Gallery to get you started.

1. Touch **Paper Artist**.
2. Follow the on-screen instructions.

PEN.UP

Use this Samsung application to join an online community, follow your favorite artists, show off your artwork, and connect with other artists.

This community brings together anyone that uses the S Pen to draw, sketch, scribble or paint. Share photos, comment on other creations, or just browse through the pages for something to add to your personal collection.

1. Touch **PEN.UP**.
2. From the main screen touch either **Sign up** or **Explore PEN.UP**.
3. Follow the on-screen instructions.

Phone

Use the Phone application to access the dialer keypad, call logs, and favorites.

- Touch **Phone**.

For more information, refer to *"Call Functions"* on page 74.

Play Books

Use the Play Books app to read eBooks from the Internet-based Google Play Books service. Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

- Touch **Play Books**.

  The Google Play Books main screen displays.

Note: You may be asked to create or sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 17.

Play Books Menu

From the Play Books main screen:

- Touch **Menu** for options.

To configure Play Books settings:

- Touch **Menu** ➔ **Settings**.

  Follow the on-screen instructions.

For more information touch **Menu** ➔ **Help**.

Play Games

Use this application to download and play games.

- Touch **Play Games**.

Play Magazines

Google Play Magazines helps you subscribe to your favorite magazines so you can have them available to read on your phone at any time or any place.

Play Magazines requires that you sign in to your Google account. For more information, refer to *"Creating a New Google Account"* on page 17.

- Touch **Play Magazines**.

  The Play Magazines Welcome screen displays.

Play Magazines Menu

From the Play Magazines main screen:

- Touch **Menu** for options.

To configure Play Magazines settings:

- Touch **Menu** ➔ **Settings**.

  Follow the on-screen instructions.

For more information touch **Menu** ➔ **Help**.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies, to watch instantly, or download for offline viewing later. You will need to have a Google account set up on your device to download content.

- Touch **Play Movies & TV**.

For more information, refer to *"Play Movies & TV"* on page 109.

Play Music

With Google Play Music, you can play music you have downloaded, and music you copied from your computer. You will need to have a Google account set up on your phone to download a new application.

- Touch **Play Music**.

For more information, refer to *"Google Play Music"* on page 108.

Play Music Menu

From any Play Music screen:

- Touch **Menu** for options.

To configure Play Music settings:

- Touch **Menu** ➔ **Settings**.

  Follow the on-screen instructions.

For more information touch **Menu** ➔ **Help**.

Play Store

Google Play Store provides access to downloadable applications and games to install on your phone. Also, you can provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Note: Before using the Play Store you must have a Google Account. For more information, refer to *"Creating a New Google Account"* on page 17.

1. Touch **Play Store**.
2. Sign in to your Google account.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Touch **Accept** to continue or **Decline** to exit.
4. Touch **APPS**, **GAMES**, **MOVIES & TV**, **MUSIC**, **BOOKS**, or **MAGAZINES** to download or purchase games, applications, and so on. You can also download updates to existing applications.
5. Follow on the on-screen instructions.

Updates to Downloaded Apps

You can check for new versions of applications by visiting the Google Play Store. Items that have a new version available will say **Update**.

You can also select apps that you would like to be updated automatically. To do this:

1. Touch **Play Store**.
2. Touch **Menu** ➔ **My apps**.
3. Touch the **INSTALLED** tab to list the Play Store apps installed on your device.

   UPDATE displays if there is an update available for the app.
4. Touch **UPDATE ALL** to update all your apps.
5. Touch an app and then touch **OPEN** to open the app on your device.

   – or –

   Touch **UPDATE** to immediately update the app on your device.
6. Touch an app and then touch **Menu** ➔ **Auto-update** to enable automatic updating.

Polaris Office 4.0

This application is a Microsoft Office compatible office suite that provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. Touch **Polaris Office 4.0**.
2. Enter your Email information, if desired, and touch **Register** to complete the process.

   – or –

   Touch **Skip** to ignore this registration.

   The main Polaris Office screen displays.
3. To get help for using Polaris Office, touch **Menu** ➔ **Help** ➔ **User Guide**.

S Note

Use this application to create notes with productivity tools that turn handwriting into typed text and correct drawn shapes, lines, and formulas to make them perfect.

1. Touch **S Note**.
2. Read the information at the **Learn about application** pop-up and touch **OK**.
3. Touch **Menu** ➔ **Tutorial** from the main S Note screen to learn more about the application, then follow the on-screen instructions.

S Suggest

This application provides on-screen recommendations for applications that are specifically supported and made for use on your device.

Note: Access to this feature requires that you already be signed in to your Samsung account application. For more information, refer to *"Signing In to Your Samsung Account"* on page 205.

1. Touch **S Suggest**.
2. Read the terms and conditions.
3. Place a check mark in the **Agree** field and touch **Agree**.
4. Select an application from one of the available categories: Picks, Categories, Games, Friends, and Info.
5. Follow the on-screen download and installation instructions.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, and so on.

1. Touch **S Voice**.
2. Read the Samsung Disclaimer then touch **Confirm** to continue.
3. Read the Vlingo Terms of Service then touch **Agree** to continue.
4. Read the information on the **About S Voice** screen, then touch **Next**.
5. Read the information on the **Say what you want** screen, then touch **Next**.
6. Read the information on the **Wake up S Voice** screen, then touch **Next**.
7. Read the information on the **Edit what you said** screen, then touch **Next**.
8. Read the information on the **Help** screen, then touch **Finish**.
9. At the S Voice screen, touch or say “Hi Galaxy” to wake up S voice.
10. Speak into the phone and follow the on-screen instructions.
11. Touch **Menu** for additional options.

Samsung Apps

With Samsung Apps, you can download hundred of applications from a variety of categories.

1. Sign in to your Samsung account, if you have not already done so.
2. Touch **Samsung Apps**.
3. Touch an application that you would like, then follow the on-screen instructions to download.
4. Touch **Menu** ➔ **Help** for additional information.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

- Touch **Samsung Hub**.

For more information, refer to *"Samsung Hub"* on page 102.

Samsung Link

This application wirelessly synchronizes your Samsung device with your TV, streams content, and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung Link makes staying connected easy.

Samsung Link allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Important! You must first connect both of your communicating devices to the same Wi-Fi. For more information, refer to *"Wi-Fi"* on page 171.

1. Touch **Samsung Link**.
2. If prompted, read the on-screen message about network charges and touch **OK** to continue and return to the main Samsung Link screen.
3. Touch **Sign in** to sign into your Samsung Account, if you have not already done so. For more information, refer to *"Signing In to Your Samsung Account"* on page 205.

   The Samsung Link All content screen displays.

4. The Samsung Link All content screen contains two separate streaming media options:
   - **Registered devices**: Stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.
   - **Registered storage**: Receive and playback media stored externally (server, laptop, and so on) directly on your device by adding a Web storage service for streaming content.

Configuring Samsung Link Settings

Samsung Link must first be configured prior to its initial use. You must set up parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. Touch **Samsung Link**.
2. Touch **Menu** ➔ **Settings** and configure the following settings as desired:
   - **Registered storage**: Add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
   - **Save to**: Save your media to your internal phone memory or to an SD card.
   - **Auto upload**: Enable automatic upload of images from your device to those storage locations specified within the Web storage list. Touch the **OFF/ON** button to turn it ON

.
   - **Video optimization**: Set up the video quality for streamed video content. Touch the **OFF/ON** button to turn it ON

.
   - **Password lock**: Restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Touch the **OFF/ON** button to turn it ON

.
   - **My account**: Samsung account information.
   - **About this service**: Display application information.

Using Samsung Link to Share Media with a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch Samsung Link on the target device, such as an Internet TV or Samsung Tablet.
2. Touch **Samsung Link**.

Note: You must be signed in to your Samsung Account before you can use this feature.

3. Swipe the screen to the right to display the All content screen.
4. Touch your device name in the **Registered devices** area.
5. Touch an available category tab (Photo, Music, Video, or Document) and select a file.
   - A file marked with (N) indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.
6. Touch and hold a file for these options:
   - **Send to**: Send files directly to a target device. On the Send to screen, touch the target device.
   - **Share via**: Share files by using AT&T Locker, Bluetooth, ChatON, Drive, Email, Gmail, and so on.
   - **Change Player**: Select an available target device and stream files to it. On a target device, such as an Internet TV, select the on-screen **Allow** button to continue.

     Note: **Nearby Devices** appears in the Notification area at the top of the device to indicate you are using your device as the media source.
   - **Delete**: Delete the file.
   - **Details**: Display details about the file, such as file name, file size, and so on.

For additional information, touch **Menu** ➔ **Help**.

Settings

Configure your device to your preferences. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

- Touch **Settings**.

For more information, refer to *"Settings"* on page 170.

Usage Manager

This app is a shortcut to your Data usage settings so you can manage your data.

- Touch **Usage Manager**.

For more information, refer to *"Data Usage"* on page 173.

Video

Video identifies and plays video files (3GP or MP4) stored on your phone or on an optional microSD Memory card.

- Touch **Video**.

For more information, refer to *"Video"* on page 108.

Voice Recorder

Record your voice or other sounds, and share recordings by using Bluetooth, Messaging, Gmail, and so on. Recording time varies based on the available memory within the phone.

1. Touch **Voice Recorder**.
2. To start recording, touch **Record** and speak into the microphone.
3. During the recording process you can either touch **Stop** to stop and save the recording or **Pause** to temporarily halt the recording. After pausing, touch **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Touch **Cancel** to cancel the recording without saving.
4. Touch **Recorded files** to display a list of all your voice recordings. Touch a voice recording to play it.
5. Touch **Recording quality** to adjust the recording quality. Choose either Normal or High quality recording.
6. Touch **Menu** for additional options.

Voice Search

The Google Voice Search application can be used to search the web using only your voice.

1. Touch **Voice Search**.
2. When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet.
3. If the timer expires and the mic icon changes from red to gray, touch the mic icon and speak the word or words that you would like to search for on the internet. Results are displayed on your phone.
4. The following options are available at the bottom of your screen:
   - **Web**: After selecting a different option, touch Web to return to the original search results.
   - **Images**: Display images for your search.
   - **News**: Display news articles on the item you searched on.
   - **MORE**: Touch MORE and sweep your screen to the left to see additional options such as Shopping, Videos, Books, and so on.
   - **Phone**: Display a phone number, if applicable.

YouTube

YouTube is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. Touch **YouTube**.
2. At the You Tube introduction screen, touch **OK**.
3. Touch the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.

4. To view a video, touch an available preview thumbnail or touch the title link.
5. Touch **Menu** for additional options.

Note: Preloading YouTube videos uses some of your device's storage space and may result in additional charges if your Wi-Fi plan is not unlimited.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. Use YPmobile to tap into local businesses, locations, and events, and connect to your search in real-time.

1. Touch **YPmobile**.
2. Read the End-User License Agreement (EULA) and touch **Accept** to continue.
3. Your location is found using GPS. Touch **OK** to allow YPmobile to use your current location.
4. Touch the **Find a business nearby!** field, use the on-screen keyboard to enter your search value, and touch **Search**.

   – or –

   Touch one of the displayed shortcuts (Gas Prices, Pizza, and so on). Touch **More Nearby** for even more shortcuts.

   Results display.
5. Touch a location, if more than one displays.

   – or –

   Touch to see the locations marked with pins on a map. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in. Touch a pin to read information about the location.
6. Touch **Menu** to display additional options.

Section 9: Settings

This section explains the settings used for customizing your device. If settings are described in another section of this user manual, then a cross reference to that description is provided.

Accessing Settings

- From a Home screen, touch **Apps** ➔ **Settings**.

  – or –

  From a Home screen, touch **Menu** ➔ **Settings**.

  – or –

  From any screen, touch the top of the screen and swipe downward, to display the Notification Panel, and then touch **Settings**.

  The Settings screen displays.

Settings Tabs

The Settings are divided into four main groups. When the Settings screen displays, the following four tabs are located at the top of the screen:

Connections: Touch this tab to see all settings related to the connection of your device to external sources, such as, Wi-Fi, Bluetooth, and Nearby devices.

My device: Touch this tab to access device configuration and customization features, such as, Lock screen, Display, Sound, Power saving mode, and Accessibility.

Accounts: Touch this tab for both the ability to create and modify your accounts (such as, Samsung account, Email, and Google account) and access Backup and reset features.

More: Touch this tab to access the remaining set of device settings not listed under the other three tabs, such as, Location services, Security, Application manager, and About device.

Note: The settings for your device are described below in the order that they appear within the Settings menu. Options under the Connections tab are listed first, followed by My device, Accounts, and More settings.

Wi-Fi

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 125.

Activating Wi-Fi

1. From the **Settings** screen, touch **Connections** ➔ **Wi-Fi**.
2. Touch the **OFF/ON** button to turn Wi-Fi ON .
3. Touch **Scan** to scan for available Wi-Fi networks. For more information, refer to *"Connect to a Wi-Fi Network"* on page 125.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the **Settings** screen, touch **Connections** ➔ **Wi-Fi**.
2. Touch the **OFF/ON** button to turn Wi-Fi ON .
3. At the bottom of the Wi-Fi screen, touch **Wi-Fi Direct**. For more information, refer to *"Wi-Fi Direct"* on page 128.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

1. From the **Settings** screen, touch Connections **Connections** ➔ **Wi-Fi**.
2. Touch Menu **Menu** ➔ **Advanced**.

   The following options are available:

   - **Network notification**: Alerts you when a new WAP is available.
   - **Sort by**: Sort Wi-Fi networks by alphabet or RSSI (received signal strength indicator).
   - **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi.
   - **Always allow scanning**: Allow Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
   - **Auto network switch**: Automatically switch between Wi-Fi networks and mobile networks.
   - **Install certificates**: Install authentication certificates.
   - **MAC address**: View your device's MAC address, required when connecting to some secured networks (not configurable).
   - **IP address**: View your device's IP address.

Bluetooth

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Activating Bluetooth

1. From the **Settings** screen, touch Connections **Connections**.
2. Touch the **OFF/ON** button, located to the right of the Bluetooth field, to turn Bluetooth ON ON.

Note: When enabled, the Bluetooth icon displays in the Notification Bar.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the **Settings** screen, touch Connections **Connections** ➔ **Bluetooth**.
2. Touch **Scan** to scan for nearby discoverable devices.
3. After searching, touch a device to pair with it.

   For more information, refer to *"Pairing Bluetooth Devices"* on page 131.

4. Touch **Menu** and select a Bluetooth setting to configure:
   - **Visibility timeout**: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never time out.
   - **Received files**: Shows the list of files received by using Bluetooth.
5. Touch the check box next to **SAMSUNG-SGH-I317** to create a check mark, if you want your phone to be visible to other Bluetooth devices.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the **Settings** screen, touch **Connections** ➔ **Data usage**.
2. Touch **Mobile data** to create a check mark and turn Mobile data usage on.
3. Touch **Set mobile data limit** to create a check mark and allow a data limit to be set.
4. Touch and drag the red limit bar up or down to the desired GB limit.
5. Touch the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Touch **Menu** to display additional options. Touch to activate.
   - **Data roaming**: Enable data roaming on your device.
   - **Restrict background data**: Restrict some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto sync data**: Set your accounts to automatically sync.
   - **Show Wi-Fi usage**: Display a Wi-Fi tab that shows Wi-Fi usage.
   - **Mobile hotspots**: Display available mobile hotspots.

More Networks

This option displays additional Connectivity information.

- From the **Settings** screen, touch Connections **Connections** ➔ **More networks**.

  The following options display.

Airplane Mode

Use Airplane mode when you are in an airplane or in any other area where making or receiving calls or data is prohibited. When Airplane mode is active, you can still use many of your phone's features, such as Camera, Games, and more.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

- Press and hold the **Power** button then touch **Airplane mode**.

  – or –

  From a Home screen, touch the top of the screen and swipe downward, to display the Quick Settings, and then touch **Airplane mode** in the Quick Settings menu.

  – or –

  From the **Settings** screen, touch Connections **Connections** ➔ **More networks** and then touch the **Airplane mode** check box to create a check mark and activate the feature.

Note: When enabled, the Airplane mode icon displays in the Notification Bar.

Mobile Networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

- Touch **Mobile networks** to display the following options:
  - **Mobile data**: Touch to create a check mark and activate the feature. To enable data access over the mobile network, this option must be selected. It is set on by default.
  - **Data roaming**: Touch to create a check mark and activate the feature. Data roaming causes your device to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.
  - **Access Point Names**: To use Wi-Fi you need access to a wireless access point (hotspot). Touch to display a list of the Access Point names. The active access point displays a green, filled circle to the right of the name.
  - **Network operators**: Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic. The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default Setup Options

Your phone default is set to Automatic, which causes your phone to automatically search for an available network.

To select a network each time you connect, set this option to Manual:

1. From the **Settings** screen, touch **Connections** ➔ **More networks** ➔ **Mobile networks**.
2. Touch **Network operators**.
3. Touch **Default setup**.
4. Touch **Manual** to locate and connect to a network manually or touch **Automatic** to allow the device to automatically select a network.

Tethering and Portable Hotspot

Use this option to share your phones's mobile data connection with a portable Wi-Fi hotspot or USB tethering.

Mobile Hotspot

Note: To enable Mobile Hotspot on your phone, dial 611 or go to att.com/mywireless to set up the service.

1. From a Home screen, touch **Apps** ➔ **Mobile Hotspot** .

   – or –

   From the **Settings** screen, touch **Connections** ➔ **More networks** ➔ **Tethering and portable hotspots** ➔ **Mobile Hotspot**.

   The Mobile Hotspot screen displays.

2. Touch the **OFF/ON** button at the top of the screen to turn Mobile Hotspot ON .

Note: When enabled, the Mobile Hotspot icon displays in the Notification Bar.

3. Follow the on-screen instructions to use Mobile Hotspot.

Connecting to Portable Wi-Fi Hotspot from Other Devices

1. Activate Wi-Fi on the device that wants to connect to your phone.
2. Find **[Galaxy_Note_II_xxxx]** in the Wi-Fi network list and connect to it. **xxxx** will be four randomly generated digits that appear when you set up a Portable Wi-Fi hotspot on your device.

   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

USB Tethering

Note: To enable USB tethering on your phone, dial 611 or go to att.com/mywireless to set up the service.

1. From the **Settings** screen, touch **Connections** ➔ **More networks** ➔ **Tethering and portable hotspot**.
2. Connect your phone to your PC using a USB cable.
3. Touch **USB tethering** to add a check mark and activate the feature.

Note: When enabled, the USB tethering icon displays in the Notification Bar.

4. Follow the on-screen instructions to use USB tethering.

Help

- From the **Tethering and portable hotspot** menu, touch **Help** for additional information

VPN

The VPN settings menu can be used to set up and manage Virtual Private Networks (VPNs).

Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock Screen"* on page 181.

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP, L2TP/IPSec PSK, L2TP/IPSec RSA, IPSec Xauth PSK, IPSec Xauth RSA, or IPSec Hybrid RSA.

1. From the **Settings** screen, touch **Connections** ➔ **More networks** ➔ **VPN**.
2. Touch **Basic VPN**.
3. Touch **Add**.
4. Enter a name for the VPN network in the **Name** field.

5. Select a VPN type from the **Type** drop-down menu.
6. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
7. Touch the **Show advanced options** check box to display additional VPN options.
8. Touch **Save** to save your VPN settings.

Adding an IPsec VPN

1. From the **Settings** screen, touch

Connections ➔ **More networks** ➔ **VPN**.
2. Touch **Advanced IPsec VPN**.
3. Touch **Add VPN Connection**.
4. Enter a password, confirm the password, and touch **OK**.
5. Enter a name for the VPN connection in the **VPN connection name** field.
6. Select a IPsec connection type from the drop-down menu.
7. Enter any other required information.
8. Touch **Show advanced options** to display additional VPN options.
9. Touch **Save** to save your VPN settings.

NFC

Use NFC (Near Field Communication) to share information between your phone and another NFC device by touching the devices together, typically back-to-back. This is used for applications such as Android Beam and S Beam.

To activate NFC:

1. From the **Settings** screen, touch

Connections ➔ **NFC**.

   The NFC screen displays.
2. Touch the **OFF/ON** button at the top of the screen to turn NFC ON

.

Note: NFC must be turned on to use Android Beam or S Beam.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From the **Settings** screen, touch **Connections** ➔ **NFC**.
2. Touch the **OFF/ON** button next to **Android Beam**, if necessary, to turn Android Beam ON.
3. Touch the back of your device with another NFC-capable device and the content is transferred.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more.

1. From the **Settings** screen, touch **Connections** ➔ **S Beam**.

   The S Beam screen displays.
2. Touch the **OFF/ON** button at the top of the screen to turn S Beam ON.
3. Touch the back of your device with another NFC-capable device to transfer the content.

Nearby Devices

Share your media files with nearby devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to *"Activating Wi-Fi"* on page 171.
2. From the **Settings** screen, touch **Connections** ➔ **Nearby devices**.

   The Nearby devices screen displays.
3. Touch the **OFF/ON** button at the top of the screen to turn Nearby devices ON, which activates file sharing.

   The device name displays under Device name. The default is the model number: SAMSUNG-SGH-I317.

Note: When enabled, the Nearby devices icon displays in the Notification Bar.

4. In the Advanced section, set the following options:
   - **Shared contents**: Select the content to share. Choices are: Videos, Photos, and Music.
   - **Allowed devices list**: Indicate the devices accessible to your device.
   - **Not-allowed devices list**: Indicate the devices not accessible to your device.
   - **Download to**: Set whether to download data to Device or SD card.
   - **Upload from other devices**: If a nearby device attempts to upload data, this setting indicates the response. Options are: Always accept, Always ask, and Always reject.

Screen Mirroring

Use the Screen Mirroring feature to share media files on your phone with an HDMI device, such as an HDMI TV.

Note: This feature requires an optional AllShare Cast dongle accessory. See your AT&T Customer Service Representative for more information.

1. From the **Settings** screen, touch Connections **Connections** ➔ **Screen Mirroring**.
2. Connect the AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable.
3. Touch Menu **Menu** ➔ **Help** for Screen Mirroring help information.

Lock Screen

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Securing Your Device"* on page 18.

Screen Lock

1. From the **Settings** screen, touch My device **My device** ➔ **Lock screen**.
2. Touch **Screen lock** for these options then follow the on-screen instructions to set up your Screen lock:
   - **Swipe**: Swipe the screen to unlock it.
   - **Face unlock**: Look at your phone to unlock it.
   - **Face and voice**: Look at your phone and speak to unlock.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.
   - **None**: No pattern, PIN, or password is required. The screen will never lock.

Lock Screen Options

The following options are available depending on the Screen Lock type that you have selected.

Swipe Options

The options available when Screen lock is set to Swipe are:

- **Multiple widgets**: Display multiple widgets on your lock screen. Appears as an option after a lock mode is enabled.
- **Lock screen widgets**: Lock the widgets that are displayed on your home screens.
- **Shortcuts**: Set shortcuts to appear at the bottom of the Lock screen. Touch the **OFF/ON** button to turn it ON ON.
- **Unlock effect**: Set the effect you receive when unlocking the phone. You can select None, Ripple effect, or Light effect.
- **Ink effect**: Touch a color to show an ink effect when you touch the lock screen.
- **Help text:** Show help information on the Lock screen.
- **Wake up in lock screen**: Requires you to say a command to wake-up your phone.
- **Set wake-up command**: Designate your wake-up commands. Touch Set wake-up command and follow the on-screen prompts to create a new verbal command.

- **Popup Note on lock screen**: Set the device to launch S Note when you double-tap the locked screen with the S Pen button pressed.

Face Unlock Options

These options are available when Screen lock is set to Face unlock or Face and voice:

- **Lock screen widgets**: Lock the widgets that are displayed on your home screens.
- **Popup Note on lock screen**: Set the device to launch S Note when you double-tap the locked screen with the S Pen button pressed.
- **Improve facial recognition**: Improve your device's face matching capability by capturing your face in different lighting, with or without glasses, and bearded or clean-shaven. Follow the on-screen instructions.
- **Presence check:** Requires you to blink when using the Face unlock feature. This will increase the security of the feature.
- **Secured lock time**: Set a time-out for lock screen.

Pattern Options

These options are available when Screen lock is set to Pattern:

- **Lock screen widgets**: Lock the widgets that are displayed on your home screens.
- **Popup Note on lock screen**: Set the device to launch S Note when you double-tap the locked screen with the S Pen button pressed.
- **Make pattern visible**: See the pattern as you draw it.
- **Secured lock time**: Set a time-out for lock screen.

PIN and Password Options

These options are available when Screen lock is set to Pin or Password:

- **Lock screen widgets**: Lock the widgets that are displayed on your home screens.
- **Popup Note on lock screen**: Set the device to launch S Note when you double-tap the locked screen with the S Pen button pressed.
- **Secured lock time**: Set a time-out for lock screen.

Display

In this menu, you can change various settings for the display.

- From the **Settings** screen, touch **My device** ➔ **Display**.

  The following options display:

  - **Wallpaper**: Set the Wallpaper for your Home screen, Lock screen, or both. For more information, refer to *"Wallpapers"* on page 42.
  - **Notification panel**: Set the brightness of your Notification Panel and also select the quick setting buttons that you want to display at the top of the Notification Panel. For more information, refer to *"Notification Bar"* on page 33.
  - **Multi window**: Enable or disable the automatic Multi window feature.
  - **Page buddy**: Allow context related pages to be created on the Home screen. You can select S Pen page, Earphones page, Docking page, and Roaming page. Touch Page buddy help for more information. Touch the **OFF/ON** button next to Page buddy to turn it ON .
  - **Screen mode**: Select from several different color modes.
  - **Brightness**: Configure the LCD Brightness levels. Touch Automatic brightness to allow the phone to self-adjust or drag the slider and touch OK.
  - **Auto rotate screen**: Switch the display orientation automatically when you rotate the phone.
  - **Screen timeout**: Adjust the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, and 10 minutes.
  - **Daydream**: Control what your screen does when your device is docked or sleeping. Touch the **OFF/ON** button next to Daydream to turn it ON . Follow the on-screen instructions.
  - **Font style**: Set the font style that your phone will use. You can also touch Get fonts online to choose from a wider selection.
  - **Font size**: Select which size of font displays.
  - **Touch key light duration**: Adjust the delay before the Touch key light automatically turns off.
  - **Show battery percentage**: Display the battery charge percentage next to the battery charge icon at the top of the display.

- **Auto adjust screen tone**: Save power by adjusting the screen tone according to an analysis of the images.

LED Indicator

This option is used to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

1. From the **Settings** screen, touch **My device** ➔ **LED indicator**.
2. Touch the following LED indicator options to turn them on or off:
   - **Charging**: LED lights up when the device is connected to the charger.
   - **Low battery**: LED lights up when the battery level is low.
   - **Notifications**: LED lights up when you have missed calls, messages, or application events.
   - **Voice recording**: LED lights up when you are recording voice. The LED only lights up when the screen is off.

Sound

From this menu you can control the sounds on the phone.

- From the **Settings** screen, touch **My device** ➔ **Sound**.

  The following options display:

  - **Volume**: Change the volume for all phone sounds in one easy location. Touch and drag the sliders to adjust the sound volume for Music, video, games and other media, Ringtone, Notifications, and System. Touch **OK**.
  - **Vibration intensity**: Set the vibration intensity of incoming calls, notifications, and Haptic feedback.
  - **Ringtones**: Set the ringtone. Touch a ringtone and touch **OK**.

    – or –

    Touch **Add** to select a file from your music files.
  - **Vibrations**: Set your phone to vibrate and ring. Select a vibration pattern and touch **OK**.

    – or –

    Touch **Create** and follow the on-screen instructions to create your own vibration.

- **Default notification sound**: Set the ringtone that will sound for notifications and alarms. Touch a ringtone and touch **OK**.
- **Vibrate when ringing**: Enable your phone to vibrate whenever it rings. Touch **Vibrate when ringing** to create a check mark and enable the feature.

System Tone Settings

Touch any of the following options to create a check mark and activate the feature:

- **Dialing keypad tone**: Makes a sound when you touch a key on the keyboard.
- **Touch sounds**: Makes a sound when you touch the screen.
- **Screen lock sound**: Makes a sound when your screen is locked or unlocked.
- **Haptic feedback**: Makes a vibration when you touch soft keys and on certain UI interactions.

Samsung Keyboard

Set the keyboard sounds. Touch either of the following options to create a check mark and activate the feature:

- **Key-tap sound**: Enables auditory feedback when you touch an on-screen key.
- **Key-tap vibration**: Enables the device to vibrate when you touch an on-screen key.

HDMI

To set the HDMI (High-Definition Multimedia Interface) audio setting:

- **Audio output**: Touch Stereo or Surround to set the audio output setting.

Home Screen Mode

Home screen mode is used to set your display to the conventional layout of **Standard mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the **Settings** screen, touch **My device** ➔ **Home screen mode**.
2. Touch the radio button to select one of these options:
   - **Standard mode**: Use a conventional layout for the apps and widgets on your home screens.
   - **Easy mode**: Use an easier user experience for first-time smartphone users on the home screens.
3. Touch **Apply**.

Call

To access the Call settings menu:

- From the **Settings** screen, touch **My device** ➔ **Call**.

  – or –

  From a Home screen, touch **Phone** ➔ **Menu** ➔ **Call settings**.

  The following options display.

Call Rejection

1. Touch **Auto reject mode** and touch one of the following options:
   - **Off**: Turn Auto reject mode off.
   - **All numbers**: Reject all calls.
   - **Auto reject numbers**: Reject all calls in your Reject list.
2. Touch **Auto reject list** and then touch **Create** to manually add numbers to the Reject list.

   Touch **Unknown**, to create a check mark and automatically reject all calls that are not in your Contacts list.

Set Up Call Rejection Messages

1. Touch **Create** to manually add a reject message.

   – or –

   Touch one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message, if desired.
2. Touch **Save** to save the reject message.
3. Touch **Delete** to remove messages.

Answering/Ending Calls

The following options are available:

- **The home key answers calls**: Accept incoming calls by pressing the Home key.
- **Voice control**: Accept incoming calls by using your voice.
- **The power key ends calls**: Press the **Power/Lock** key to end a call without turning off the screen.

Turn Off Screen During Calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

- Touch **Turn off screen during calls** to create a check mark and enable the feature.

Call Alerts

Touch the following options to create a check mark and activate the features:

- **Answer vibration**: Set your phone to vibrate when the called party answers the phone.
- **Call-end vibration**: Set your phone to vibrate when the call ends.
- **Call connect tone**: Play a tone when a call is connected.
- **Minute minder**: Beep twice every minute that you are on a call.
- **Call end tone**: Play a tone when a call is ended.
- **Alerts on call**: Turn on alarm and message notifications during a call.

Call Accessories

The following options are available:

- **Automatic answering**: Automatically answer an incoming call when a headset is detected.
- **Automatic answering timer**: Configure the time delay before the device automatically accepts the incoming call.
- **Outgoing call conditions**: Make calls even when the device is locked.

Additional Settings

Touch one of the following options:

- **Caller ID**: Choose how your Caller ID will be displayed. Select Network default, Hide number, or Show number.
- **Call forwarding**: Forward your calls to another number.
  - **Always forward**: Forward all voice calls.
  - **Forward when busy**: Forward voice calls to a designated number instead of your voice mail number, if you are on another phone call.
  - **Forward when unanswered**: Forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
  - **Forward when unreachable**: Forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.
- **Auto area code**: Automatically prepend a specific area code to all outbound calls.
- **Call waiting**: The network service informs you when someone is trying to reach you during another call. Touch to activate.
- **Auto redial**: Automatically redial the last number, if the call was either cut off or was unable to connect. Touch to activate.
- **Fixed dialing numbers**: Restrict outgoing calls to a limited set of phone numbers. For more information, refer to *"Using Fixed Dialing Numbers"* on page 88.

Ringtones and Keypad Tones

1. Touch **Ringtones**, select a ringtone, and touch **OK**.
2. Touch **Vibrations**, select a vibration type, and touch **OK**.
3. Touch **Vibrate when ringing** to create a check mark, if you want your phone to vibrate when a call is incoming.
4. Touch **Dialing keypad tones** to create a check mark, if you want tones to play when the keypad is touched.

Personalize Call Sound

Use this option to personalize the sounds you hear during a call with and without earphones.

At the Personalize call sound display, touch one of the following options: **Adapt sound**, **Soft sound**, or **Clear sound**, or **Off**.

For **Adapt sound**, follow the on-screen instructions to set up your personal call sound.

Noise Reduction

This option helps to suppress background noise from your side during a call.

- Touch **Noise reduction** to create a check mark and enable the feature.

Increase Volume in Pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

- Touch **Increase volume in pocket** to create a check mark and enable the feature.

Voicemail Service

1. Touch **Voicemail service**.

   Voicemail service provided by your carrier is the default.
2. Touch **My carrier** to remove the carrier Voicemail service.

Voicemail Settings

To view or modify your voicemail number:

1. Touch **Voicemail settings**.
2. Touch the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then touch **OK**.
3. Touch **OK**.

Sound

To set your default ringtone:

1. Touch **Sound**.
2. Touch a ringtone to hear it played.
3. Select a ringtone and touch **OK**.

Vibrate

This option allows you select vibration settings.

- Touch **Vibrate** to create a check mark and activate the Vibrate feature.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. Touch **TTY mode**.
2. Touch **TTY Full**, **TTY HCO**, or **TTY VCO**.

   A green circle displays next to your selection.
3. Touch **TTY Off** to turn it off.

Hearing Aids

To turn on Hearing aid compatibility on your device:

- Touch **Hearing aids** to create a check mark and enable the Hearing aid compatibility feature.

Blocking Mode

When Blocking mode is enabled, notifications for selected features are disabled. You only receive notifications of incoming calls from people on your allowed list.

1. From the **Settings** screen, touch **My device** ➔ **Blocking mode**.

   The Blocking mode screen displays.

2. Touch the **OFF/ON** button at the top of the screen to turn Blocking mode ON .

Note: When enabled, the Blocking mode active icon displays in the Notification Bar.

3. Touch **Block incoming calls**, **Turn off notifications**, **Turn off alarm and timer**, or **Turn off LED indicator** to place a green check mark adjacent to those features you would like to enable.
4. Configure a timeframe for these features to be active. Remove the check mark from the **Always** field to configure the **From** and **To** time fields.
5. Touch **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Hands-Free Mode

When Hands-free mode is enabled, incoming calls and notifications are read out automatically.

1. From the **Settings** screen, touch **My device** ➔ **Hands-free mode**.

   The Hands-free mode screen displays.

2. Touch the **OFF/ON** button at the top of the screen to turn Hands-free mode ON ON.

Note: When enabled, the Hands-free mode active icon displays in the Notification Bar.

3. Touch **Incoming call**, **Message**, **Alarm**, or **Schedule** to enable notifications to be read out automatically.

Note: You can disable Hands-free mode by saying “Hands-free mode off” while in S voice, by accessing the Settings menu and touching the **OFF/ON** button to turn Hands-free mode OFF OFF, or by using the Notification Panel.

Power Saving Mode

Use Power saving mode to manage your phone to conserve power.

1. From the **Settings** screen, touch **My device** ➔ **Power saving mode**.

   The Power saving mode screen displays.

2. Touch the **OFF/ON** button at the top of the screen to turn Power saving mode ON ON.
3. Touch the following options to create a check mark and conserve power:
   - **CPU power saving**: Limit the maximum performance of the CPU.
   - **Screen power saving**: Lower the screen power level.
   - **Turn off haptic feedback**: Turn off vibration when you touch the screen.
   - **Auto enable**: Automatically turn on Power saving mode when the battery falls below 20% even if Power saving mode is off.
4. Touch **Learn about power saving** to learn about various ways to conserve battery power.

Accessory

To select the Audio output mode when using a car or desk dock:

- From the **Settings** screen, touch **My device** ➔ **Accessory**.

  The following options display:

  - **Dock sound**: Play sounds when inserting or removing the phone from the dock.
  - **Audio output mode**: Use the external dock speakers when the phone is docked.
  - **Desk home screen display**: Display the desk home screen whenever the phone is docked.
  - **Audio output**: Set your Audio output to Stereo or Surround.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

1. From the **Settings** screen, touch **My device** ➔ **Accessibility**.
2. The following options are available:
   - **Auto rotate screen**: Automatically rotate the screen from landscape to portrait when you rotate your phone.
   - **Screen timeout**: Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).
   - **Secured lock time**: Lock the screen after the selected amount of inactivity time.

Note: Secured lock time option only displays after you set a Screen Lock other than Swipe or None. For more information, refer to *"Screen Lock"* on page 181.

- **Speak passwords**: Read out password information.
- **Answering/ending calls**: Accept incoming calls by pressing the **Home** key or end calls using the power key.
- **Show shortcut**: Add Accessibility and Talkback as shortcuts under the device options available after pressing and holding the **Power/Lock** key.
- **TalkBack**: Activate the TalkBack feature.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

- **Font size**: Change the size of the fonts used on the device within menus, options, and so on. Choose from: Tiny, Small, Normal, Large, or Huge.
- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Negative colors**: Reverse the display of on-screen colors from White text on a Black background to Black text on a White background.
- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps. Touch **OFF/ON** button to turn it ON

. Follow the on-screen instructions.
- **Text-to-speech options**: Adjust your text-to-speech settings. For more information, refer to *"Speech"* on page 199.
- **Sound balance**: Use the slider to set the Left and Right balance when using a stereo device.
- **Mono audio**: Enable stereo audio to be compressed into a single mono audio stream for use with a single earbud or earphone.
- **Turn off all sounds**: Mute every sound made by the device.
- **Flash notification**: Set your camera light to blink whenever you receive a notification.
- **Press and hold delay**: Select a time interval for this action.

One-Handed Operation

The one-handed operation settings help you to use your phone keypads easily with only one hand.

- From the **Settings** screen, touch **My device** ➔ **One-handed operation**.

  The following options are available:

  - **Keypad and in-call buttons**: Adjust the position of the dialing keypad and in-call buttons to the left or the right to make it easier to use with one hand.
  - **Samsung keyboard**: Adjust the position of the Samsung keyboard to the left or the right to make it easier to use with one hand.
  - **Calculator**: Adjust the position of the calculator keypad to the left or the right to make it easier to use with one hand.
  - **Unlock pattern**: Adjust the scale of the unlock pattern for use with one hand.
  - **Learn about one-handed operation**: View more information about using one-handed operation.

Language and Input

Use this menu to configure the language used to display text on your phone. You can also set on-screen keyboard options.

- From the **Settings** screen, touch **My device** ➔ **Language and input**.

  The following options display.

Language

You can change the language used by your device by following these steps:

1. From the **Language and input** screen, touch **Language**.
2. Touch a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the **Language and input** screen, touch **Default** and select a keyboard.

   Select Samsung keyboard or Swype.

   – or –

   Touch **Set up input methods**.

2. Touch **Settings** next to the input method that you would like to configure.

   Depending on the input method selected, the appropriate settings display and are explained below.

Samsung Keyboard

To configure the Samsung keyboard:

- From the **Language and input** screen, touch next to **Samsung keyboard**.

  The following options are available:

  - **Input languages**: Set the input language. Touch a language from the available list. The keyboard is updated to the selected language.
  - **Predictive text**: Enable predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings. Touch the **OFF/ON** button to turn it ON ON.

    The following options are available:

    – **Live word update**: Automatically update predictive text with popular new words daily.

    – **Personalized data**: Use personal language that you have added to make your prediction results better.

    – **Learn from Facebook**: Log in to your Facebook account so your phone can learn your Facebook style.

    – **Learn from Gmail**: Log in to your Gmail account so your phone can learn your Gmail style.

    – **Learn from Twitter**: Log in to your Twitter account so your phone can learn your Twitter style.

    – **Learn from Messages**: Allow your device to learn from your Messages.

    – **Learn from Contacts**: Allow your device to learn from your Contacts.

    – **Clear remote data**: Delete anonymous data that is stored on the personalization server.

    – **Clear personal data**: Remove all personalized data that you have entered.

    – **Privacy policy**: Read the privacy policy. Follow the on-screen instructions.

- **Auto replacement**: Complete or replace the word you are typing with the most probable word when you touch the space bar. Touch the **OFF/ON** button to turn it ON

.
- **Auto capitalization**: Automatically capitalize the first letter of the first word in each sentence (standard English style).
- **Auto spacing**: Automatically insert spaces between words.
- **Auto punctuate**: Automatically insert a full stop in a sentence by touching the space bar twice when using the on-screen QWERTY keyboard.
- **Keyboard swipe**: Touch one of the following:
  - **None**: Turn Keyboard swipe off.
  - **SwiftKey Flow**: Enable the SwiftKey Flow feature. When enabled, you can enter text by sliding your finger across the keyboard.
  - **Cursor control**: Move the cursor by sliding your finger across the keyboard.
- **Key-tap feedback**: Select one or more of the following:
  - **Sound**: Enable or disable auditory feedback when you touch an on-screen key.
  - **Vibration**: Enable or disable vibration when you touch an on-screen key.
  - **Character preview**: Provide an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Pen detection**: Change to Handwriting recognition mode when the S Pen is detected.
- **Tutorial**: Display more information about using the Samsung keyboard.
- **Reset settings**: Reset the keyboard settings back to their original configuration.

Swype

To configure Swype settings:

- From the **Language and input** screen, touch next to **Swype** to display the following options:
  - **Settings**: Configure basic Swype settings. When an option is enabled, a check mark appears in the check box.
  - **My Words**: Set options for managing your dictionary and data.
  - **Languages**: Manage the language used for Swype. The default language is English. Touch **Download languages**, to download additional languages.
  - **Gestures**: Display helpful information on using gestures while using Swype.
  - **Help**: Touch **How to Swype** to view an on-screen manual for Swype. Touch **Show helpful tips** for more Swype information.
  - **Updates**: Check for available Swype updates.

Google Voice Typing

To configure Google voice typing:

- From the **Language and input** screen, touch next to **Google voice typing**.

  The following options are available:
  - **Block offensive words**: Create a check mark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.
  - **Offline speech recognition**: Enables voice input while offline.

Speech

Use this menu to set the speech settings for Voice input.

Voice Search

- From the **Language and input** screen, touch **Voice search** to configure the following:
  - **Language**: Choose a language for your voice input.
  - **Speech output**: Sets whether you will use speech output always or only when using Hands-free mode.
  - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
  - **Hotword detection**: Enable to being able to launch voice search by saying the word “Google”.
  - **Offline speech recognition**: Enables voice input while offline.
  - **Bluetooth headset**: Record audio through a Bluetooth headset, if available.

Text-to-Speech Options

Voice output provides audible readout of text, for example, the contents of email messages.

1. From the Language and input screen, touch **Text-to-speech options** and select the preferred TTS engine, **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.
2. Touch next to the preferred TTS engine and configure.
3. Under General, configure the following:
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).

Pointer Speed

This option sets your Pointer speed for your mouse or trackpad when you are using a keyboard dock accessory.

1. From the **Language and input** screen, touch **Pointer speed**.
2. Drag the slider to the right to go faster or to the left to go slower.
3. Touch **OK** to save your setting.

Motion

The Motion settings allow you to set up various Motion activation services. For more information on using gestures, see *"Using Motion"* on page 32.

1. From the **Settings** screen, touch

My device ➔ **Motion**.

   The Motion screen displays.
2. Touch the **OFF/ON** button at the top of the screen to turn Motion ON

.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, touch **Motion** ➔ **Learn about motions**.

3. Touch any of the following options to activate the feature. A check mark is displayed when an option is enabled.
   - **Quick glance**: Once enable, you can check key information at a glance by reaching towards your device.
   - **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
   - **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
   - **Double tap to top**: Once enabled, double touch the top of the device to be taken to the top of the current on-screen list.
   - **Tilt to zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out.
   - **Pan to move icon**: Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.

- **Pan to browse images**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
- **Shake to update**: Once enabled, shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.
- **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.
- **Advanced settings**: Access additional settings for Quick glance, Tilt to zoom, Pan to move icon, and Pan to browse images.
- **Learn about motions**: Provides additional help on using the different motions.
- **Palm swipe to capture**: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.
- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.
- **Learn about hand motions**: Provides additional help on the hand motions such as Palm swipe to capture and Palm touch to mute/pause.

Smart Screen

The Smart screen options allow you to customize your screen settings to make the screen more responsive and easier to use.

1. From the **Settings** screen, touch **My device** ➔ **Smart screen**.
2. Touch the following options to create a check mark and activate the feature:
   - **Smart stay**: Set the screen to stay on as long as you look at it.
   - **Smart rotation**: Set the screen to rotate according to the orientation of your face. This option is only available if Auto rotate screen is enabled. For more information, refer to *"Display"* on page 183.

Voice Control

The Voice control settings allow you to set up voice commands to control your device.

1. From the **Settings** screen, touch **My device** ➔ **Voice control**.

   The Voice control screen displays.
2. Touch the **OFF/ON** button at the top of the screen to turn Voice control ON ON.

   Touch the following options to create a check mark and activate the feature.
   - **Incoming calls**: Answer or reject calls using the commands **Answer** and **Reject**.
   - **Alarm**: Stop or snooze an alarm by using the commands **Stop** and **Snooze**.
   - **Camera**: Take photos by using the voice commands such as **Capture**, **Shoot**, **Smile**, and **Cheese**.
   - **Music**: Control your Music app using the voice commands **Next**, **Previous**, **Play**, **Pause**, **Volume up**, and **Volume down**.

Note: If you set the alert type for calls or alarms to vibration, voice control is not available.

S Pen

To customize settings for the S Pen:

1. From the **Settings** screen, touch **My device** ➔ **S Pen**.
2. The following options are available:
   - **Dominant hand**: Set your phone to Left handed or Right handed.
   - **Pen attach/detach sound**: Select a sound to be played whenever the pen is attached or detached.
   - **Open Popup Note**: Automatically open Popup Note whenever the pen is detached.
   - **Battery saving**: Disable the pen detection feature while the pen is attached to save battery power.
   - **S Pen keeper**: Sound an alert and display a pop-up when you walk with the device without attaching the pen.
   - **Air view**: When the S pen tip is near the screen for a while, the S pen hovering feature will be provided. Touch the **OFF/ON** button to turn it ON .
   - **Sound and haptic feedback**: Hear sound and sense haptic feedback when using your S Pen
   - **Quick command settings**: Create pen gestures to open selected apps or perform tasks.
   - **S Pen help**: Display additional information about S Pen.

Accounts

Use this option to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From the **Settings** screen, touch **Accounts** ➔ **Add account**.
2. Touch one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

   A green button appears next to the account type once you have created an account. Your accounts are also displayed in the **My accounts** section of the main Accounts menu.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From the **Settings** screen, touch **Accounts**.
2. Touch the account type, which is located in the **My accounts** section.
3. Touch the account name.
   - Touch the items you want to synchronize with your account to create a check mark then touch **Sync now**.

     This includes items such as app data, calendar, contacts, gmail or email, photos, and so on.

     Note: The items that are available to Sync depends on the type of account.
   - Touch **Cancel sync** to stop the synchronization.
4. Touch **Settings** or **Account Settings** to access the account settings.
5. Touch **Storage usage**, if available, to see your storage usage for different applications.
6. Touch **Sync all** to synchronize all accounts of this type.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From the **Settings** screen, touch **Accounts**.
2. Touch the account type, which is located in the **My accounts** section.
3. Touch the account name.
4. At the bottom of the screen, touch **Remove account**, then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Google

Configure options for Google accounts and privacy settings.

Note: To display these options, you must have a Google account set up on your phone.

1. From the **Settings** screen, touch Accounts **Accounts** ➔ **Add account**.
2. Touch **Google**.

   Configure the following options:

   - **Accounts**: View Google accounts set up on your device. Touch a Google account to configure syncing or to remove the account.
   - **Privacy**: Configure Search, Location settings, Google+, and Ads.

Signing In to Your Samsung Account

Several applications and options require that you create and sign in to a Samsung Account.

To sign in to your Samsung account:

1. From the **Settings** screen, touch Accounts **Accounts** ➔ **Add account**.
2. Touch **Samsung account**.

   The Samsung account sign in screen displays.
3. Touch **variety of services** to display information about Samsung services that are available.
4. If you have no Samsung account, touch **Create new account**.

   – or –

   If you do have a Samsung account, touch **Sign in**.

   The Samsung account screen displays.
5. Use the keyboard to enter the required information and touch **Sign up** or **Sign in**.

Tip: The password is for your Samsung account, not the password you use for the email address you are entering. Plus, you can use only letters, numbers, !, @, $, %, &, ^, and * for your Samsung account password.

6. If you are creating a new account, the Terms and Conditions screen displays. Read the Terms and conditions, Special terms, and Privacy policy and touch **I accept all the terms above**.

   The Settings screen displays with Samsung account listed under Accounts.

Back Up and Reset

The Back up and reset settings allow you to back up your data, back up accounts, automatically restore your phone, and reset your phone settings to the factory settings.

- From the **Settings** screen, touch

Accounts ➔ **Back up and reset**.

  The following options display:

  - **Back up my data**: By setting this option, the Google server will back up all of your settings and data, such as application data, WI-FI passwords, and other settings, to the Google server.
  - **Backup account**: If you have enabled the **Back up my data** option, then the **Backup account** option is available. Touch **Backup account** and touch your Google Gmail account or touch **Add account** to set your Google Gmail account to be backed up to the Google server.
  - **Automatic restore**: By setting this option, when you reinstall an application, all of your backed up settings and data will be restored from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the **Settings** screen, touch **Accounts** ➔ **Back up and reset**.
2. Touch **Factory data reset**.

   The Factory data reset screen displays reset information.
3. Touch **Reset device**, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset erases all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It does not erase current system software, bundled applications, and external SD card files such as music and photos.

Location Services

The Location services settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the **Settings** screen, touch **More** ➔ **Location services**.
2. Touch any of the following options to create a check mark and activate the service:
   - **Access to my location**: Allow apps that have asked your permission to use your location information.
   - **Use GPS satellites**: Allow applications to use GPS to pinpoint your location.
   - **Use wireless networks**: Allow applications to use data from mobile networks and Wi-Fi to help determine your location.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the **Settings** screen, touch **More** ➔ **Security**.
2. You must first set up a screen lock type, if you have not already done so. For more information, refer to *"Screen Lock"* on page 181.
3. Touch **Encrypt device**. For more information, read the displayed help screen.
4. Touch **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Set Up or Change Password

Use this option to set up your password when one is first required or change your current password.

1. From the **Settings** screen, touch **More** ➔ **Security** ➔ **Set up/change password**.
2. Enter a new password and touch **Confirm**.
3. Enter the new password again and touch **Confirm**.

Set Up SIM Card Lock

To prevent another person from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card, you can protect the information by using a PIN code.

When enabled, your phone asks for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the **Settings** screen, touch **More** ➔ **Security** ➔ **Set up SIM card lock**.
2. Touch **Lock SIM card**, enter your SIM PIN code, then touch **OK**.

Note: You must activate **Lock SIM card** before you can change your SIM PIN code.

To change your SIM PIN code:

1. Touch **Change SIM PIN**.
2. Enter your old SIM PIN code and touch **OK**.
3. Enter your new SIM PIN code and touch **OK**.
4. Re-type your new SIM PIN code and touch **OK**.

Forgotten SIM PIN Password

If you enter the wrong SIM PIN more than 3 times, you must contact your AT&T Customer Service Representative to get the PUK code for your device.

1. Each time you enter a wrong SIM PIN number the phone displays how many attempts you have remaining.
2. After the third incorrect attempt, **SIM is now disabled, Enter PUK code to continue. Contact carrier for details** displays and your SIM card is locked.
3. When you receive the new PUK code from your AT&T Customer Service Representative, enter it in the **PUK code** field.
4. Enter a new PIN code in the **Enter a new PIN** field and touch **OK**.
5. Enter the new PIN code again in the **Confirm your new PIN** field and touch **OK**.

Note: While your SIM PIN is locked, you can still make Emergency calls, if necessary.

Make Passwords Visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the **Settings** screen, touch **More** ➔ **Security**.
2. Touch **Make passwords visible** to enable or disable brief displays of password characters.

Device Administration

Use the Device Administration feature to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the **Settings** screen, touch **More** ➔ **Security**.
2. Touch **Device administrators**, to select a device administrator, and follow the prompts.

   If no device administrators are listed, you can download them from the Play Store.
3. Touch **Unknown sources** to download and install non-Market applications.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

4. Touch **Verify Apps** to cause your phone to either block or warn you before installing apps that may cause harm to your phone.
5. Touch **Change security level** to set the security level to High or Normal.

Security Update Service

To set security update service settings:

1. From the **Settings** screen, touch **More** ➔ **Security**.
2. Touch **Security policy updates** to automatically check for changes to the security policy and download any updates to improve security and service.
3. Touch **Send security reports** to send security reports to Samsung, using Wi-Fi, for threat analysis.

Credential Storage

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the **Settings** screen, touch More **More** ➔ **Security**.
2. Touch **Storage type** to set a storage type for credential contents.
3. Touch **Trusted credentials**.

   The trusted credentials screen has two tabs:

   - **System**: Displays CA certificates that are permanently installed in the ROM of your device.
   - **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.
4. Touch a CA certificate to examine its details.

   A scrolling screen displays the details.

   Scroll to the bottom of the details screen and touch **Turn off** to disable a System certificate.

Caution! When you disable a system CA certificate, the **Turn off** button changes to **Turn on**, so you can enable the certificate again, if necessary.

Touch **OK** to return to the certificate list.

5. Touch **Install from device storage**, then choose a certificate and follow the prompts to install encrypted certificates stored on the USB storage.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

6. Touch **Clear credentials** to erase the credential contents from the device and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the **Settings** screen, touch **More** ➔ **Application manager**.
2. Touch **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the DOWNLOADED tab shows used and free device memory. The graph at the bottom of the RUNNING tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the **Settings** screen, touch **More** ➔ **Application manager**.
2. Touch the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, touch **Menu** ➔ **Sort by size** or **Sort by name**.
4. To reset your application preferences, touch **Menu** ➔ **Reset app preferences**.

Note: This will reset the preferences for disabled apps, disabled app notifications, default applications for actions, and background data restrictions for apps. You will not lose any app data.

5. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

SD Card

Displays apps you have downloaded onto your SD card.

1. From the **Settings** screen, touch **More** ➔ **Application manager**.
2. Touch the **SD CARD** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the SD CARD tab, touch **Menu** ➔ **Sort by size** or **Sort by name**.
4. To reset your application preferences, touch **Menu** ➔ **Reset app preferences**.

Note: When you Reset app preferences, you will not lose any app data.

5. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From the **Settings** screen, touch **More** ➔ **Application manager**.
2. Touch the **RUNNING** tab. All the applications that are currently running on the device display.
3. Touch **Show cached processes** to display all the cached processes that are running. Touch **Show services in use** to switch back.
4. Touch one of the applications to view application information.

   The following options display:

   - **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

   - **Report**: Report failure and other application information.

Note: Options vary by application.

Battery

See how much battery power is used for device activities.

1. From the **Settings** screen, touch **More** ➔ **Battery**.

   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

2. Touch **Screen**, **Android System**, **Android OS**, or any other listed application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

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3. Touch **Show battery percentage** to see the battery charge percentage next to the battery charge icon at the top of the display.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

Device Memory

To view the memory allocation for your phone:

- From the **Settings** screen, touch **More** ➔ **Storage**.

  The Device memory displays as Total space, System memory, Used space, Cached data, Miscellaneous files, and Available space.

SD Card

Once a memory card has been installed in your device, the SD card memory displays as Total space and Available space.

Mounting an SD Card

1. Install an SD card. For more information, refer to *"Installing a MicroSD Card"* on page 10.
2. From the **Settings** screen, touch **More** ➔ **Storage**.
3. Touch **Mount SD card**.

Unmounting an SD Card

1. From the **Settings** screen, touch **More** ➔ **Storage**.
2. Touch **Unmount SD card**.
3. At the prompt, select **OK** to safely unmount the memory card.
4. Remove the SD card from the slot. For more information, refer to *"Removing the Memory Card"* on page 10.

Note: Unmounting an SD card will stop some applications from functioning. Applications may not be available until you mount the SD card again.

Formatting an SD Card

When formatting an SD card you will want to backup your music and photo files that are stored on the card because formatting the SD card deletes all the stored data.

1. From the **Settings** screen, touch **More** ➔ **Storage**.
2. Touch **Format SD card** and then touch **Format SD card** again on the warning screen.
3. Touch **Delete all**.

Note: The **Format SD card** option is only available when your SD card is mounted.

Date and Time

To change the current time and date displayed:

- From the **Settings** screen, touch **More** ➔ **Date and time**.

  The following options display:

  - **Automatic date and time**: Allow the network to set the date and time. Disable this option to set date and time manually.
    - **Set date**: Enter the current date.
    - **Set time**: Enter the current time.
  - **Automatic time zone**: When enabled, the phone takes the time zone from the wireless network. Disable this option to set time zone manually
    - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
  - **Use 24-hour format**: Set the format for time displays. If this option is not selected, the phone automatically uses a 12-hour format.
  - **Select date format**: Set the format for date displays.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

- From the **Settings** screen, touch **More** ➔ **About device**.

  The following information displays:

  - **Software update**: Update your phone software, if available. For more information, refer to *"Software Update"* on page 217.
  - **Status**: View the status of your device. Battery status, Battery level, Network, Signal strength, and so on, are displayed as described on the screen.
  - **Legal information**: Display Open source licenses, Google legal, and License settings information.

Tip: To find your device's DivX® registration code and information about registering your device to play DivX protected video, touch **License settings** ➔ **DivX® VOD**.

- **Device name**: Enter the name for your device. The default is the model number: SAMSUNG-SGH-I317.
- **Model number**: Phone's model number.
- **Android version**: Android version loaded on this phone.
- **Baseband version**: Baseband version loaded on this phone.
- **Kernel version**: Kernel version loaded on this phone.
- **Build number**: Software, build number.
- **SE for Android status**: Display Security Enhancements for Android status information.

Note: Baseband, kernal, and build numbers are usually used for updates to the handset or support. For additional information please contact your AT&T service representative.

Software Update

The AT&T Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the **Settings** screen, touch **More** ➔ **About device** ➔ **Software update**.
2. Touch **Check for updates**.
3. At the **AT&T Software update** prompt, touch **OK** to continue.
4. The phone automatically updates the software (if available), otherwise, when the **Current software is up to date** prompt displays, touch **OK**.

When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, touch **Continue update**.

This device is capable of operating in Wi-Fi™ mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, this device is restricted from being used outdoors when operating in frequencies between 5.15-5.25 GHz.

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.

- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

This mobile phone has an FCC ID number: A3LSGHI317

[Model Number: SGH-i317] and the specific SAR levels for this mobile phone can be found at the following FCC website: http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website: http://www.samsung.com/sar.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional

SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp

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Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://fun.samsungmobileusa.com/recycling/index.jsp.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. From a Home screen, touch **Phone**.

   The dialer is displayed.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number).

   Emergency numbers vary by location.
4. Touch the key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution. If the mobile device has a retractable camera lens, do not use soap and water to clean the lens. Use a blower or brush or lens cleaning paper dampened in a lens cleaning solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

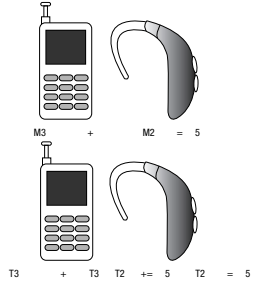
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering

noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.

- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 11: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Device	1 Year
Battery(ies)*	1 Year
Case/Pouch/Holster*	90 Days
Other Device Accessories*	1 Year

*If applicable.

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice. [111611]

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("Samsung") for software, owned by Samsung and its affiliated companies and its third party suppliers and licensors, that accompanies this EULA, which includes computer software and may include associated media, printed materials, "online" or electronic documentation in connection with your use of this device ("Software").

This device requires the use of preloaded software in its normal operation. BY USING THE DEVICE OR ITS PRELOADED SOFTWARE, YOU ACCEPT THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THESE TERMS, DO NOT USE THE DEVICE OR THE SOFTWARE.

1. **GRANT OF LICENSE**. Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

Certain items of the Software may be subject to open source licenses. The open source license provisions may override some of the terms of this EULA. We make the applicable open source licenses available to you on the Legal Notices section of the Settings menu of your device.

2. **RESERVATION OF RIGHTS AND OWNERSHIP**. Samsung reserves all rights not expressly granted to you in this EULA. The Software is protected by copyright and other intellectual property laws and treaties. Samsung or its suppliers own the title, copyright and other intellectual property rights in the Software. The Software is licensed, not sold.

3. **LIMITATIONS ON END USER RIGHTS**. You may not reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code or algorithms of, the Software (except and only to the extent that such activity is expressly permitted by applicable law not withstanding this limitation), or modify, or disable any features of, the Software, or create derivative works based on the Software. You may not rent, lease, lend, sublicense or provide commercial hosting services with the Software.

4. **CONSENT TO USE OF DATA**. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, such as IMEI (your device's unique identification number), device number, model name, customer code, access recording, your device's current SW version, MCC (Mobile Country Code), MNC (Mobile Network Code). Samsung and its affiliates may use this information solely to improve their products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you. At all times your information will be treated in accordance with Samsung's Privacy Policy, which can be viewed at: http://account.samsung.com/membership/pp.

5. **SOFTWARE UPDATES**. Samsung may provide to you or make available to you updates, upgrades, supplements and add-on components (if any) of the Software, including bug fixes, service upgrades (parts or whole), products or devices, and updates and enhancements to any software previously installed (including entirely new versions), (collectively "Update") after the date you obtain your initial copy of the Software to improve the Software and ultimately enhance your user experience with your device. This EULA applies to all and any component of the Update that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such Update. To use Software provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

While the Update will be generally available, in some limited circumstances, the Software updates will only be offered by your network carrier, and such Software updates will be governed by your contractual relationship with your network carrier.

With the “Automatic Update” function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update If you choose to disable the “Automatic Update” function, then you can check the availability of new Updates by clicking on the “Check Update” menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the “Wi-Fi Only” option in the Setting. (Regardless of the option you choose, the “Automatic Update” function downloads Updates only through Wi-Fi connection.)

6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

7. **SOFTWARE TRANSFER**. You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

8. **EXPORT RESTRICTIONS**. You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including all the applicable export restriction laws and regulations.

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